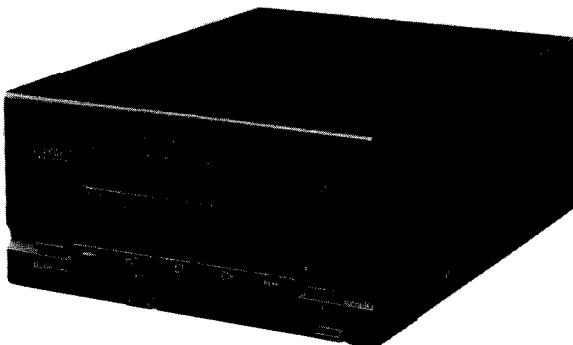
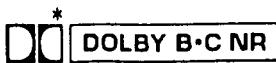


Service Manual

Dolby NR-Equipped
Stereo Double Cassette Deck

Cassette Deck

RS-CH7



Because of unique interconnecting cables,
when a component requires service, send or
bring in the entire system.

RS-TR165 MECHANISM SERIES (AR300)

■ SPECIFICATIONS

(DIN 45 500)

Track system	Compact cassette stereo
Tape speed	4.8 cm/sec. (1 7/8 ips)
Bias frequency	80 kHz
Heads	Permalloy head
(DECK 2) REC/PLAY Erasing	Double-gap ferrite head
(DECK 1) PLAY	Permalloy head
Motors	DC servo motor
(DECK 2)	DC servo motor
(DECK 1)	0.1% (WRMS)
Wow and flutter	
Fast Forward and Rewind Time	Approx. 110 seconds with C-60 cassette tape
Frequency response	
METAL	30 Hz~17 kHz
CrO ₂	30 Hz~16 kHz
NORMAL	30 Hz~16 kHz

S/N	(Signal level max recording level, CrO ₂ type tape)
DOLBY B NR on	66 dB (CCIR)
DOLBY C NR on	74 dB (CCIR)
DOLBY off	56 dB (A WTD)
■ GENERAL	
Power consumption	16 W
Dimensions (W×H×D)	215×110×297 mm (8 15/32"×4 11/32"×11 11/16")
Weight	2.6 kg (5.7 lb.)

Notes:

1. Specifications are subject to change without notice.
2. Weight and dimensions show are approximate.

*Dolby noise reduction manufactured under license from
Dolby Laboratories Licensing Corporation.
"Dolby" and the double-D symbol are trade marks of Dolby
Laboratories Licensing Corporation.

System	Tuner	Amplifier	CD Player	Cassette Deck	Speakers
SC-CH7	ST-CH7L	SU-CH7	SL-CH7	RS-CH7	SB-CH7

Technics/Panasonic
(E) (GC)

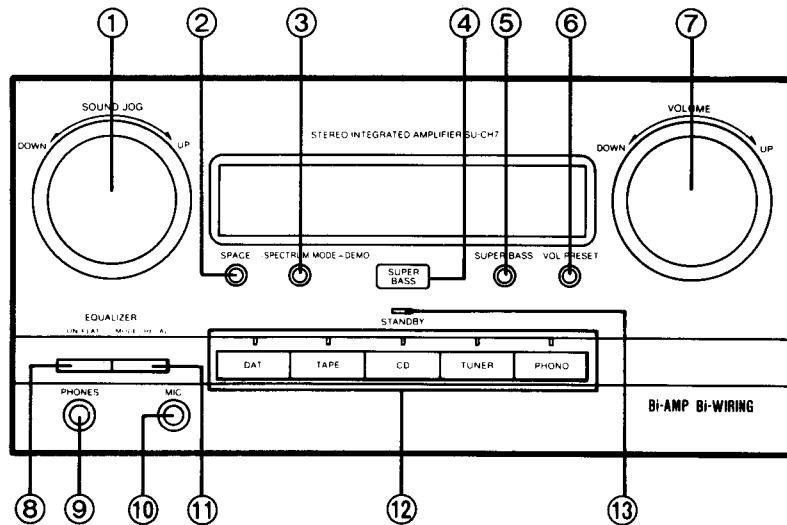
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Note:

Refer to the service manual for Model No. SU-CH7, Order No. AD9104082C1 for information on
ACCESSORIES, INSTALLATION OF THE SYSTEM, CONNECTIONS and PACKAGING.

■ LOCATION OF CONTROLS



Amplifier: control section

① Sound effect level control (SOUND JOG)

This control is used for adjusting the level of the ambience enhancement effect and the equalization level.

② Ambience enhancement button (SPACE)

This button is used to activate ambience enhancement mode.

③ Spectrum mode-select/demonstration button (-SPECTRUM MODE-DEMO)

This button is used to select one of the six spectrum curves. If you press and hold this button, six types of sound effects (spectrum curve in combination with ambience enhancement) will be sequentially changed (Demonstration mode).

④ Super bass indicator

Illuminates when the super bass mode is activated.

⑤ Super bass button (SUPER BASS)

When this button is pressed, the dynamic low frequency ranges are boosted.

⑥ Volume preset button (VOL. PRESET)

This button is used to make a volume presetting.

⑦ Volume level control (VOLUME)

This control is used to adjust the volume level (-82 dB~0 dB). Note that -82 dB is the lowest volume setting and 0 dB is the highest level setting.

⑧ Equalization function button (ON/FLAT)

This button is used to switch the equalization correction function. If no equalization correction is desired, press this button again to cancel the function.

⑨ Headphones jack (PHONES)

⑩ Microphone jack (MIC)

⑪ Equalization mode-select/recall button (-MODE-RECALL)

This button is used to retrieve a pre-programmed equalization curve from the memory. If you press and hold this button, a curve you programmed can be retrieved.

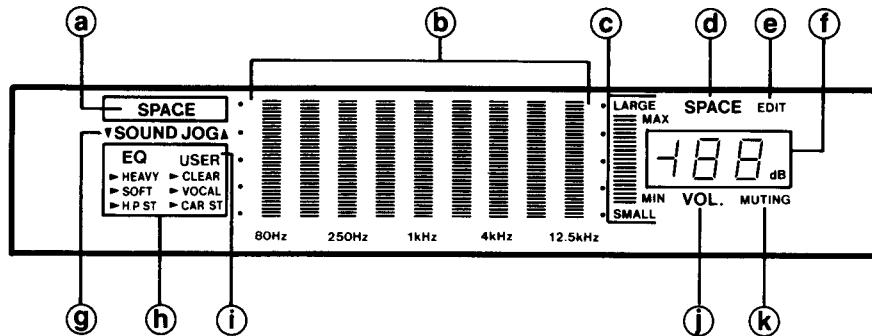
⑫ Input selectors and indicators

These selectors are used to select the sound source to be heard. When the sound source is selected, the indicator above the selector will illuminate.

⑬ Standby indicator (STANDBY)

This indicator illuminates when the power "STANDBY/ON" switch of the unit or that of the remote control is switched "OFF". Its purpose is to alert the user of the constant supply voltage to the internal circuitry even with the power switch OFF.

For this unit, even if this switch is switched to the "STANDBY" position, there is still a slight power consumption of about 17 watts: this is in order to retain of the "most recent" memory and the preset-memory functions.



Amplifier: display section

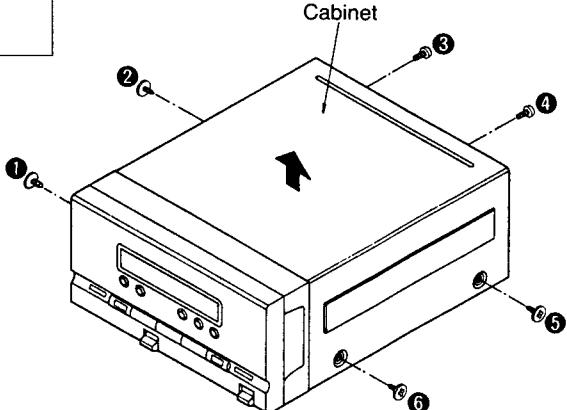
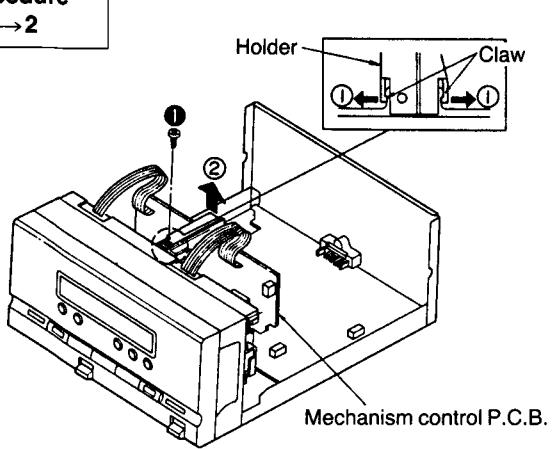
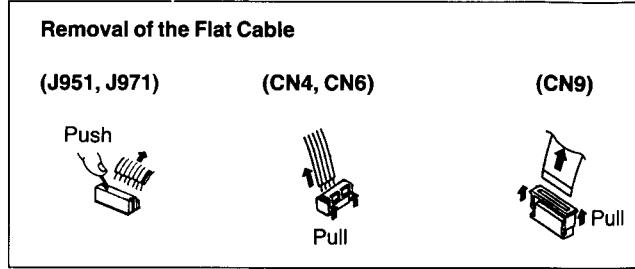
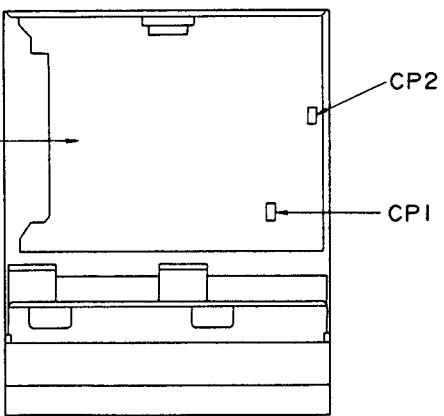
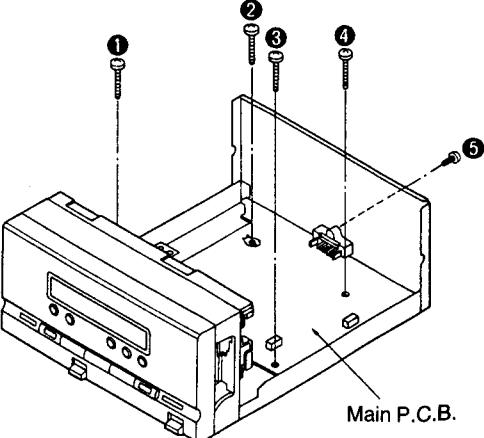
- (a) Ambience enhancement mode indicator (SPACE)
Illuminates when the ambience enhancement mode is activated.
- (b) Spectrum analysis display
This display shows the spectrum analysis level.
- (c) Level meter
Display the volume level as it is being adjusted by the volume control. When adjusting the level of the ambience enhancement effect with the sound effect level control, the display shows the level of the ambience enhancement effect.
- (d) Ambience enhancement adjustment indicator (SPACE)
Illuminates when adjusting the level of the ambience enhancement effect.
- (e) CD edit indicator (EDIT)
Illuminates when making an edit-recording of a compact disc.
- (f) Volume level display
Displays the volume level.

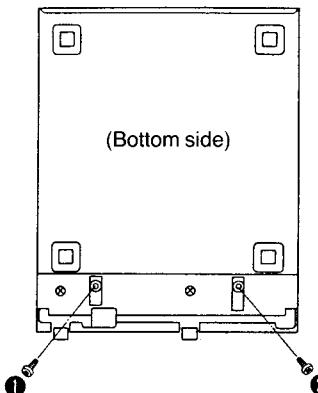
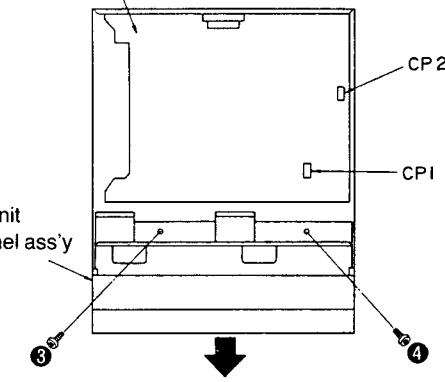
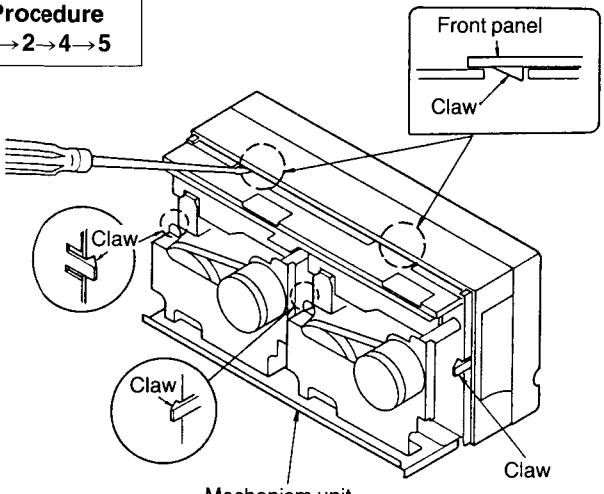
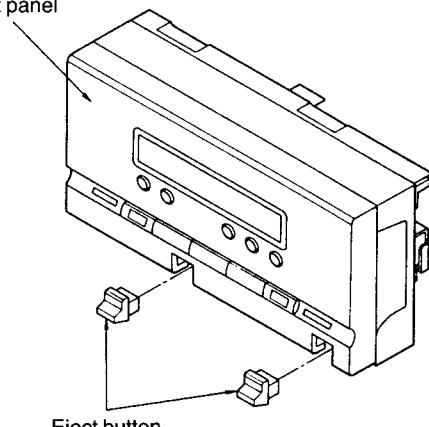
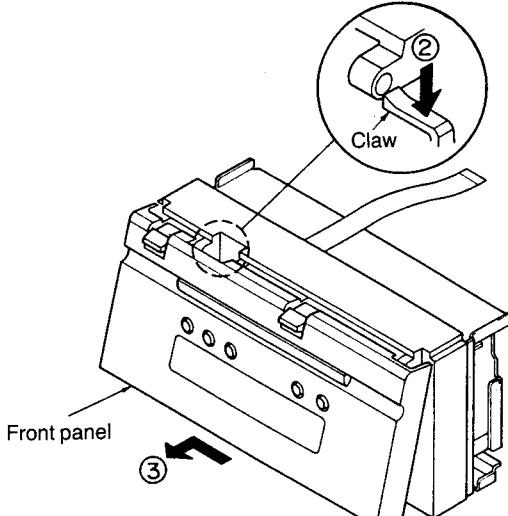
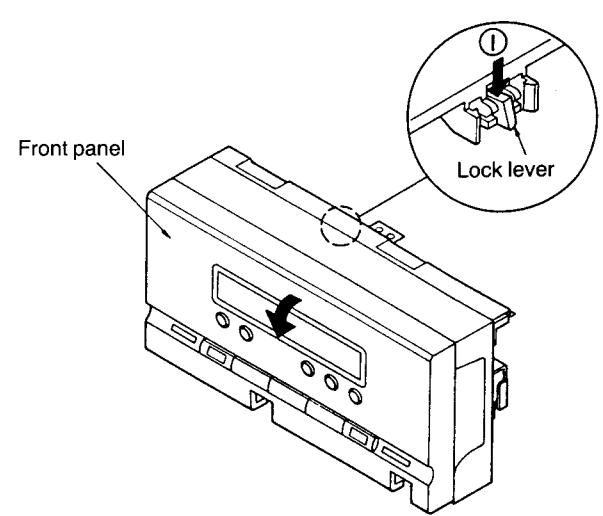
- (g) Sound effect indicator (▼ SOUND JOG ▲)
When "▼" illuminates, it shows the equalization curves can be adjusted, and when "▲" illuminates, it shows that the ambience enhancement effect can be adjusted.
- (h) Equalization mode indicators (HEAVY-CAR ST)
These indicators show which of the six equalization curves is currently used.
- (i) "USER" indicator (USER)
This indicator illuminates to show that the desired equalization curves can be programmed into memory or retrieved from the memory.
- (j) Volume indicator (VOL.)
Illuminates when adjusting the volume level.
- (k) Muting indicator (MUTING)
Illuminates when the muting mode is activated.

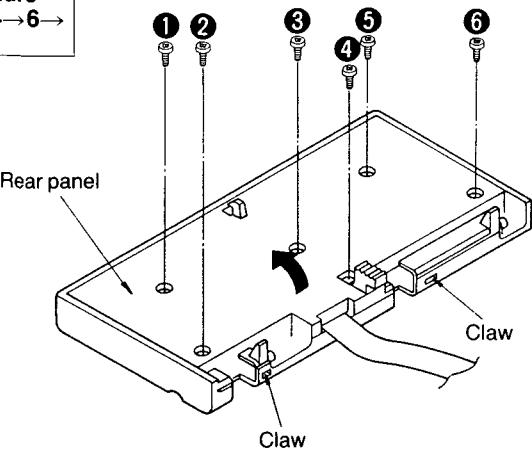
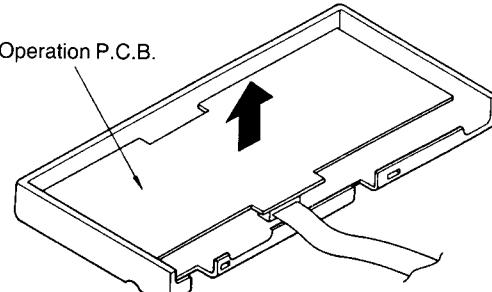
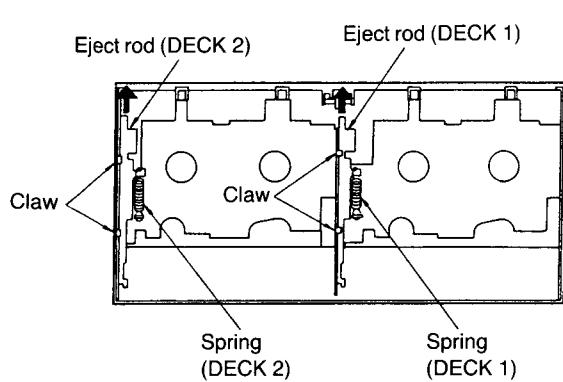
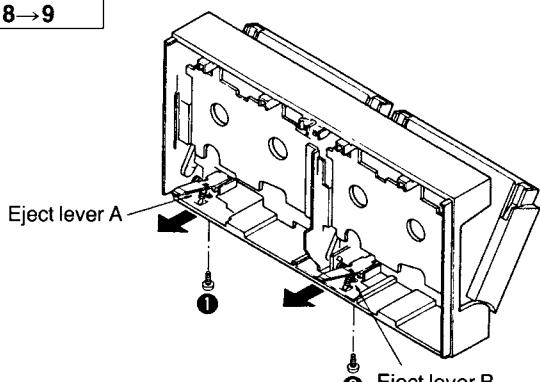
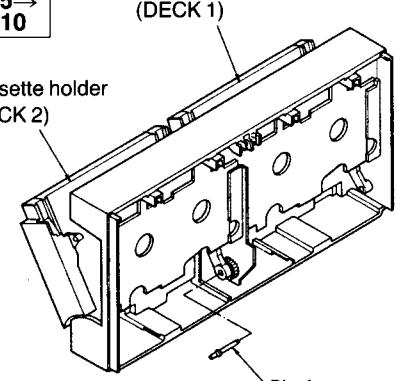
■ DISASSEMBLY INSTRUCTIONS

“ATTENTION SERVICER”

Some chassis components may have sharp edges. Be careful when disassembling and servicing.

Ref. No. 1	Removal of the Cabinet	
Procedure 1		<ul style="list-style-type: none"> Remove 6 screws (①~⑥).
Ref. No. 2	Removal of the Mechanism Control P.C.B.	
Procedure 1→2		
Ref. No. 3	Removal of the Main P.C.B.	
Procedure 1→2→3		
	<ul style="list-style-type: none"> Remove 2 connector (CP1, CP2). 	<ul style="list-style-type: none"> Remove 5 screws (①~⑤).

Ref. No. 4	Removal of the Mechanism Unit/Front Panel Ass'y	
Procedure 1→2→4		
	1. Remove 4 screws (1~4).	2. Remove 2 connectors (CP1, CP2). 3. Remove the mechanism unit and front panel in the direction of the arrow.
Ref. No. 5	Removal of the Mechanism Unit	Ref. No. 6
Procedure 1→2→4→5		Procedure 1→2→4→6
● Remove 5 claws.		
	1. Pull out the eject buttons. (DECK 1, DECK 2).	
		
	3. Push the claw in the direction of arrow ②, and then remove the front panel in the direction of arrow ③.	2. Push the lever in the direction of the arrow ①, and then open the front panel.

Ref. No. 7	Removal of the Operation P.C.B.
Procedure 1→2→4→6→7	
	
	<ol style="list-style-type: none"> 1. Remove 6 screws (1~6). 2. Remove 2 claws. 3. Remove the rear panel in the direction of arrow. 4. Remove the operation P.C.B. in the direction of arrow.
Ref. No. 8	Removal of the Eject rod (DECK 1 and DECK 2)
Procedure 1→2→4→5→6→8	
	<ol style="list-style-type: none"> 1. Push the eject rod in the direction of arrow and then open the cassette holder. 2. Remove the spring (DECK 1, DECK 2). 3. Press 4 claws and then remove the eject rod.
Ref. No. 9	Removal of the Eject Lever (A) and Eject Lever (B)
Procedure 1→2→4→5→6→8→9	
	<p>● Removal of the Eject Angle (A)</p> <ol style="list-style-type: none"> 1. Remove the screw (1). 2. Pull out the eject angle (A). <p>● Removal of the Eject Angle (B)</p> <ol style="list-style-type: none"> 1. Remove the screw (2). 2. Pull out the eject angle (B).
Ref. No. 10	Removal of the Cassette Holder (DECK 1 and DECK 2)
Procedure 1→2→4→5→6→8→9→10	
	<ol style="list-style-type: none"> 1. Pull out the shaft. 2. Push the rib in the direction of arrow and then remove the cassette holder.

Ref. No. 11

Check of the Main P.C.B.

Procedure 1→11

1. Remove 6 screws (1~6).

2. Remove 3 screws (7~9).

3. Remove the rear panel in the direction of arrow.

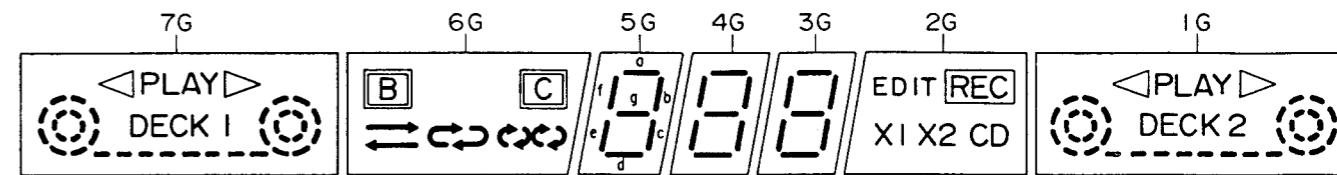
4. Remove 2 screws (10~11).

5. Remove the chassis in the direction of arrow.

6. Check the main P.C.B. in the direction of arrow.

■ DESCRIPTION OF FL PANEL (RSL0088-F)

- Grid assignment



- Pin connection

Pin No.	3 5	3 4	3 3	3 2	3 1	3 0	2 9	2 8	2 7	2 6	2 5	2 4	2 3	2 2	2 1	2 0	1 9	1 8	1 7	1 6	1 5	1 4	1 3	1 2	1 1	1 0	9	8	7	6	5	4	3	2	1
Connection	F +	F +	N P	P 1	P 2	P 3	P 4	P 5	P 6	P 7	P 8	P 9	N P	N C	N C	7 G	6 G	5 G	4 G	3 G	2 G	1 G	N P	F —	F —										

- Anode connection

	7G	6G	5G	4G	3G	2G	1G
P1			a	a	a	EDIT	
P2	PLAY	-	b	b	b		PLAY
P3	S1		c	c	c	X1	S1
P4	S3	-	d	d	d	CD	S3
P5	S2		e	e	e	X2	S2
P6			f	f	f	-	
P7	DECK1		g	g	g	-	DECK2
P8	S4	-	-	-	-	-	S4
P9	S5	-	-	-	-	-	S5

■ MEASUREMENTS AND ADJUSTMENTS

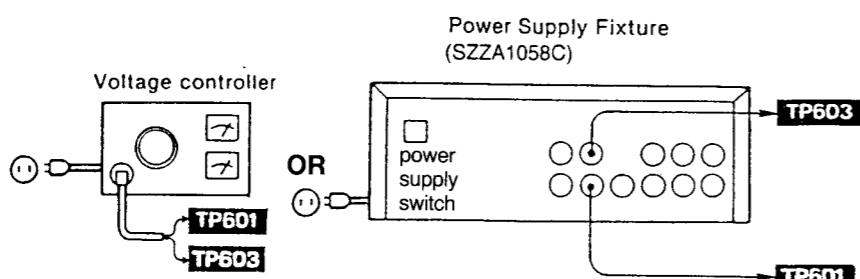
This tape deck (RS-CH7) is powered by the amplifier (SU-CH7).

To adjust or check operations on the tape deck as a separate unit, follow the steps below.

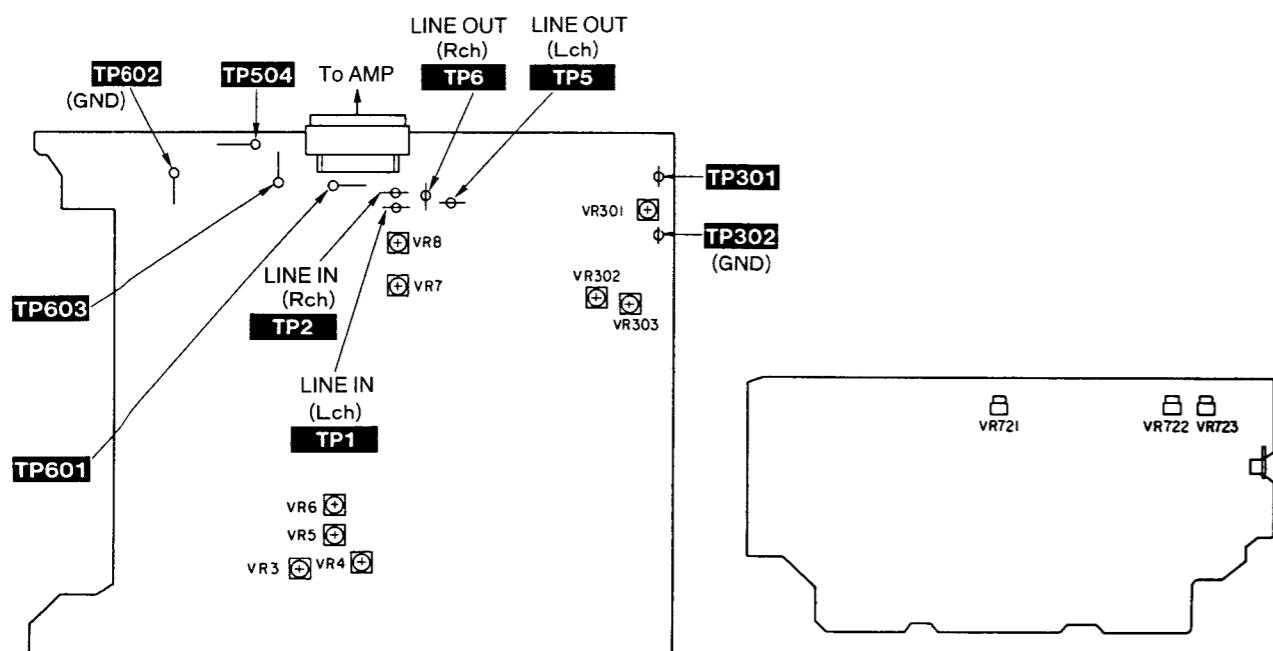
1. Apply a power supply voltage of AC 20 V to **TP601** and **TP603**.
2. Short-circuit **TP504** and **TP602** (GND) (power supply switch: ON).

• HOW TO CONNECT

Note:
Apply a power supply voltage of AC 20 V to **TP601** and **TP603** by using a Voltage Controller. If it is not available, use a Power Supply Fixture (SZZA1058C) instead.



• Adjustment points



• Measurement Condition

- Rec. level control; Maximum
- Reverse-mode selector switch; \leftrightarrow
- Edit-recording tape-speed selector; NORMAL
- Timer-recording switch; off

• Measuring instrument

- EVM (Electronic Voltmeter)
- Oscilloscope
- Digital frequency counter
- AF oscillator

• Test tape

- Head azimuth adjustment (8 kHz, -20 dB); QZZCFM
- Tape speed adjustment (3 kHz, -10 dB); QZZCWAT
- Playback frequency response (315 Hz, 12.5 kHz, 10 kHz, 8 kHz, 4 kHz, 1 kHz, 250 Hz, 125 Hz, 63 Hz, -20 dB); QZZCFM

- Dolby NR switch; Off
- Make sure heads are clean
- Make sure capstan and pressure roller are clean
- Judgeable room temperature $20 \pm 5^\circ\text{C}$ ($68 \pm 9^\circ\text{F}$)

- ATT (Attenuator)
- DC voltmeter
- Resistor (600 Ω)

- Playback gain adjustment (315 Hz, 0 dB); QZZCFM
- Overall frequency response, Overall gain adjustment Normal reference blank tape; QZZCRA
- CrO₂ reference blank tape; QZZCRX
- Metal reference blank tape; QZZCRZ

HEAD AZIMUTH ADJUSTMENT (DECK 1/2)

1. Playback the azimuth adjustment portion (8 kHz, -20 dB) of the test tape (QZZCFM). Vary the azimuth adjusting screw until the outputs of the L-CH and R-CH are maximized and the lissajous waveform, as illustrated, approaches 0 degrees.

Note: If L-CH and R-CH are not maximized at the same point, adjust to the point where the levels of each channel are maximized and equal.

2. Perform the same adjustment in the play mode.
3. After the adjustment, apply screwlock to the azimuth adjusting screw.

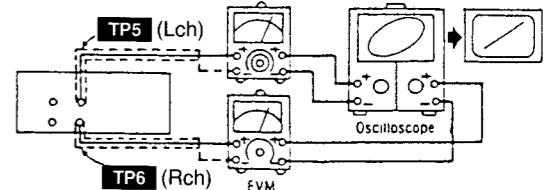


Fig. 1

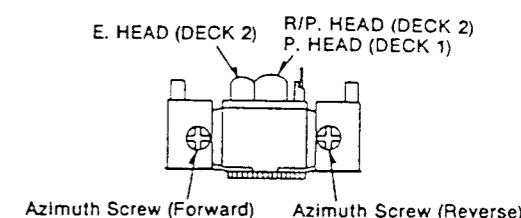


Fig. 2

TAPE SPEED ADJUSTMENT (DECK 1/2)

Normal speed

1. Shift the edit-recording tape-speed selector to "NORMAL".
2. Playback the middle portion of the test tape (QZZCWAT).
3. Adjust Deck 1=VR721 and Deck 2=VR723 so that the output is within the standard value.

Standard value: $3000 \pm 15\text{ Hz}$ (NORMAL speed)

High speed [Set the unit to forward (FWD) mode.]

4. Push the edit speed button (SPEED). This will set the high speed mode.
5. Playback the middle portion on the test tape (QZZCWAT).
6. At that time, check if the output from DECK 1 is within the standard value.

Standard value: $6000 \pm 600\text{ Hz}$ (HIGH speed)

7. Adjust VR722 so that the output frequency of DECK 2 is within $\pm 30\text{ Hz}$ of the value of the output frequency of DECK 1.

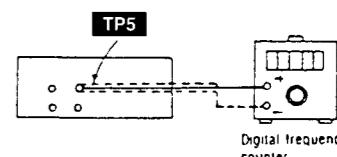


Fig. 3

PLAYBACK GAIN ADJUSTMENT (DECK 1/2)

1. Playback the gain adjusted portion (315 Hz, 0 dB) of the test tape (QZZCFM).
2. Adjust Deck 2=VR5 (L-CH) [[VR6 (R-CH)]] and Deck 1=VR3 (L-CH) [[VR4 (R-CH)]] so that the output is within the standard value.

Standard value: $400\text{ mV} \pm 0.5\text{ dB}$

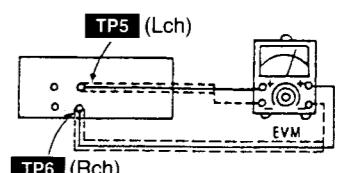


Fig. 4

PLAYBACK FREQUENCY RESPONSE (DECK 1/2)

1. Playback the frequency response portion (315 Hz, 12.5 kHz~63Hz, -20 dB) of the test tape (QZZCFM).
2. Assure that the frequency response is within the range shown in Fig. 6 for both L-CH and R-CH.

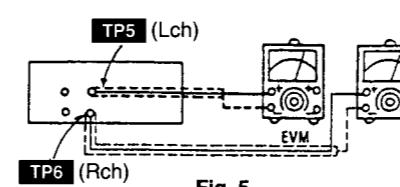


Fig. 5

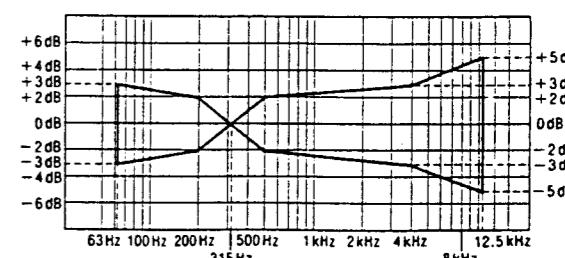
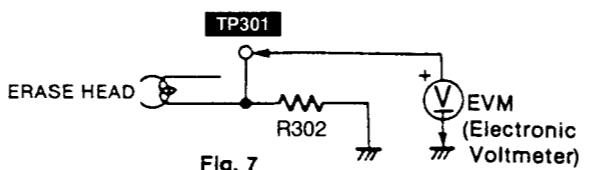


Fig. 6

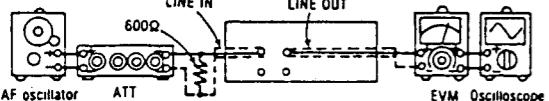
ERASE CURRENT CONFIRMATION (DECK 2)

1. Insert the Metal blank test tape (QZZCRZ) and set the unit to the Record Pause mode.
2. Check if the output at this time between the erase current confirmation point **TP301** and **TP302** (chassis) (the output on both edges of R302) is within the standard value.

Standard value: $190 \text{ mA} \pm 5 \text{ mA}$ (Metal)

**OVERALL FREQUENCY RESPONSE (DECK 2)**

1. Insert the Normal blank test tape (QZZCRA) and set the unit to the Record Pause mode.
2. Apply a reference input signal (1kHz, -24dB) through an attenuator.
3. Attenuate the signal by 20dB and adjust the frequency from 50Hz~10kHz.
4. Record the frequency sweep.
5. Playback the recorded signal and assure that it is within the range shown in Fig. 8 in comparison to the reference frequency (1kHz).
6. If it is not within the standard range, adjust **VR302** (L-CH) and **VR303** (R-CH) so that the frequency level is within the standard range.
 - Level up in high frequency range Increase the bias current.
 - Level down in high frequency range Decrease the bias current.
7. Repeat steps 2~6 above using the CrO₂ tape (QZZCRX) and the Metal tape (QZZCRZ) increasing the frequency range to 12.5kHz (50Hz~12.5kHz).
8. Assure that the level is within the range shown in Fig. 9.



LINE IN (Lch): **TP1**
(Rch): **TP2**

LINE OUT (Lch): **TP5**
(Rch): **TP6**

OVERALL GAIN ADJUSTMENT (DECK 2)

1. Insert the Normal blank test tape (QZZCRA) and set the unit to the Record pause mode.
2. Apply a reference input signal (1kHz, -19 dB). Attenuate the output so that its level becomes 0.4V.
3. Record this input signal.
4. Playback the signal recorded in step 3 above, and assure that the output is within the standard value.
5. If it is not within the standard value, adjust **VR7** (L-CH) and **VR8** (R-CH).
6. Repeat the step 2~5 above until the output is within the standard value.

Standard value: $0.4V \pm 0.5dB$

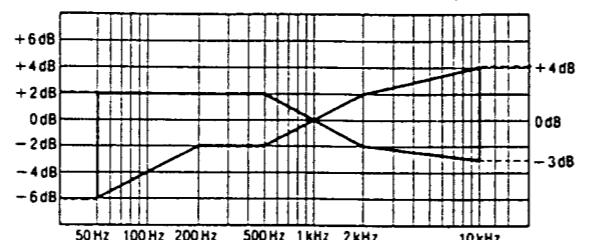
Normal Overall frequency response chart (NR OUT)

Fig. 8

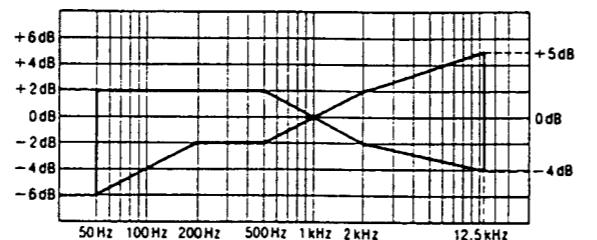
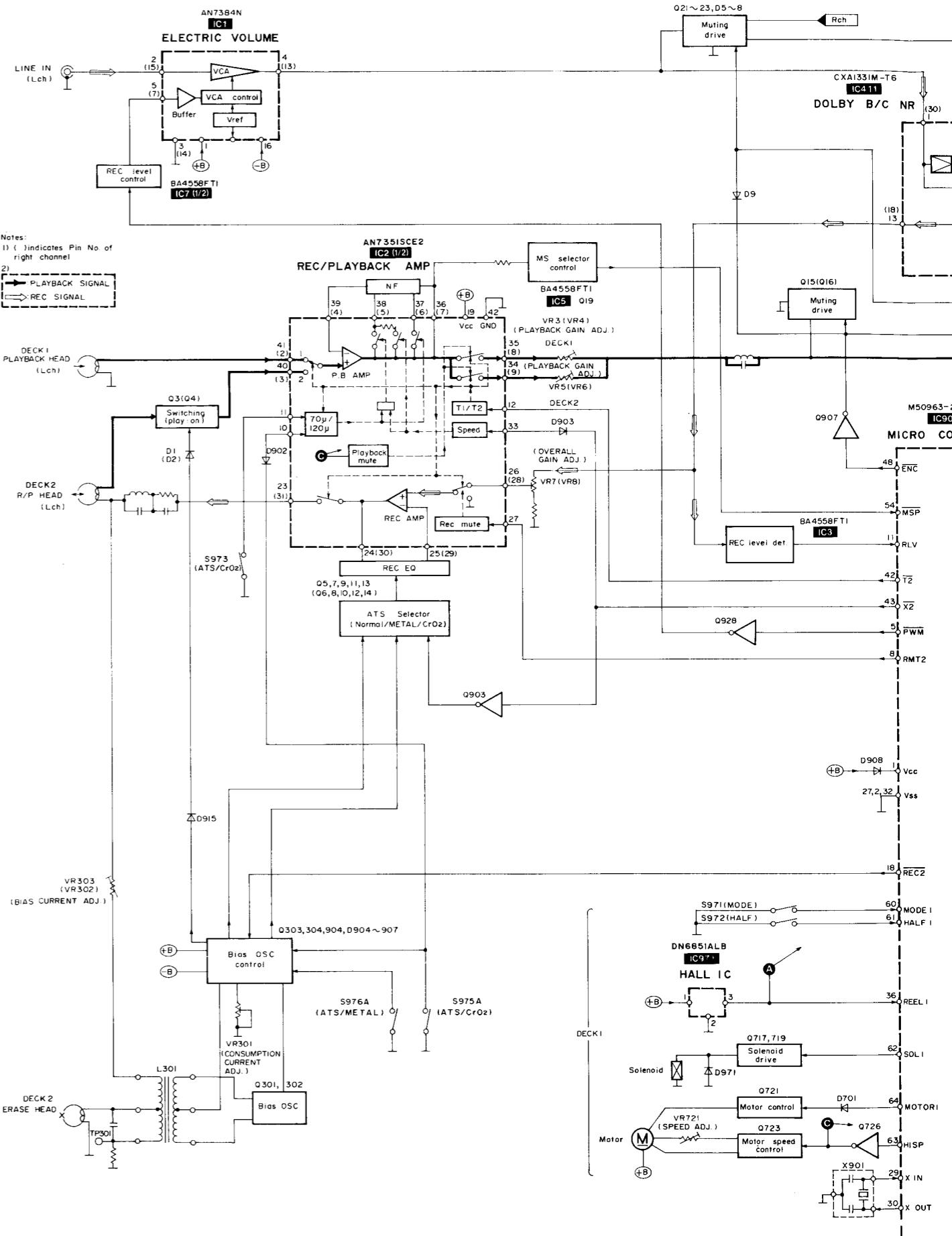
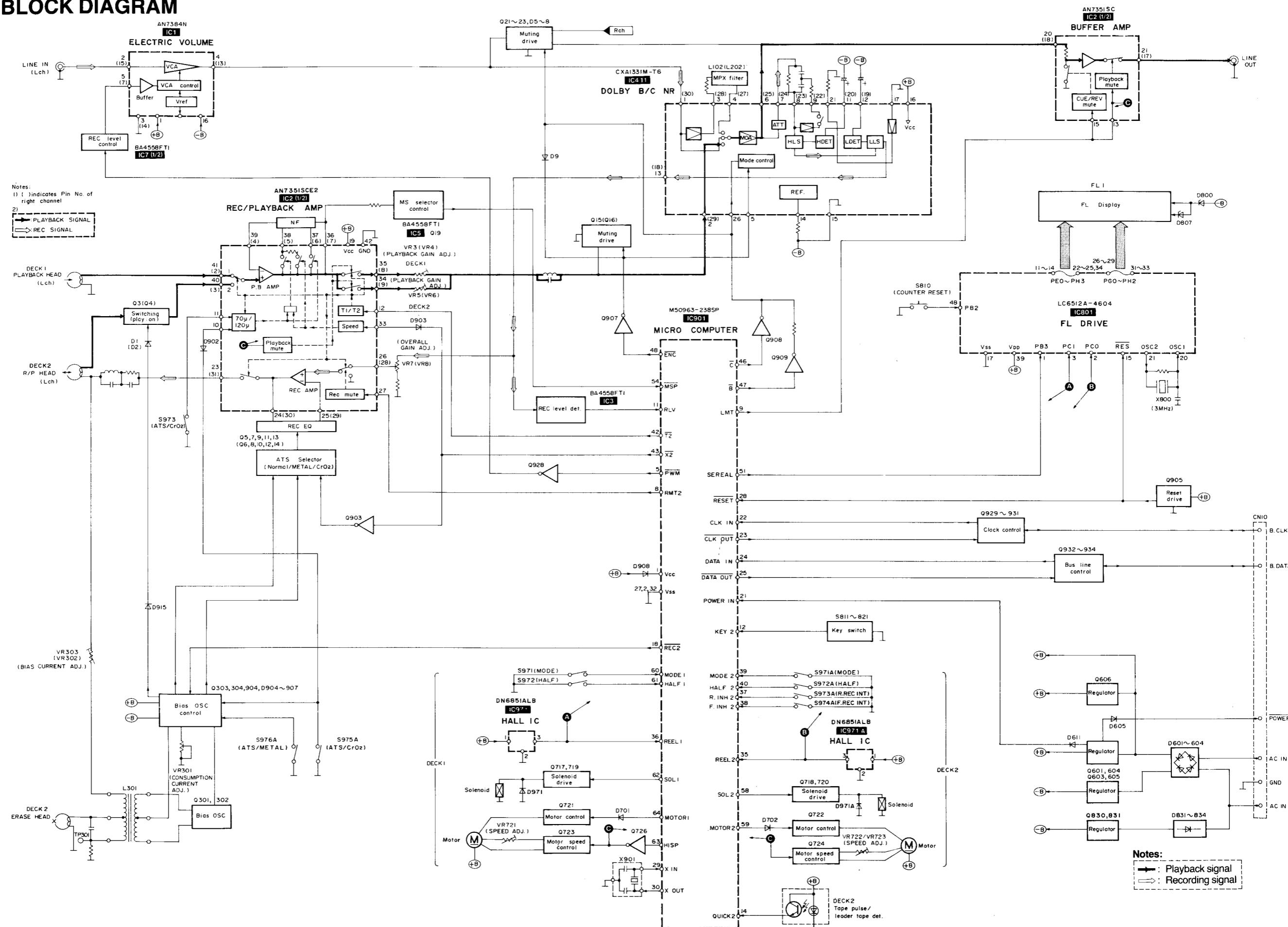
CrO₂ Metal Overall frequency response chart (NR OUT)

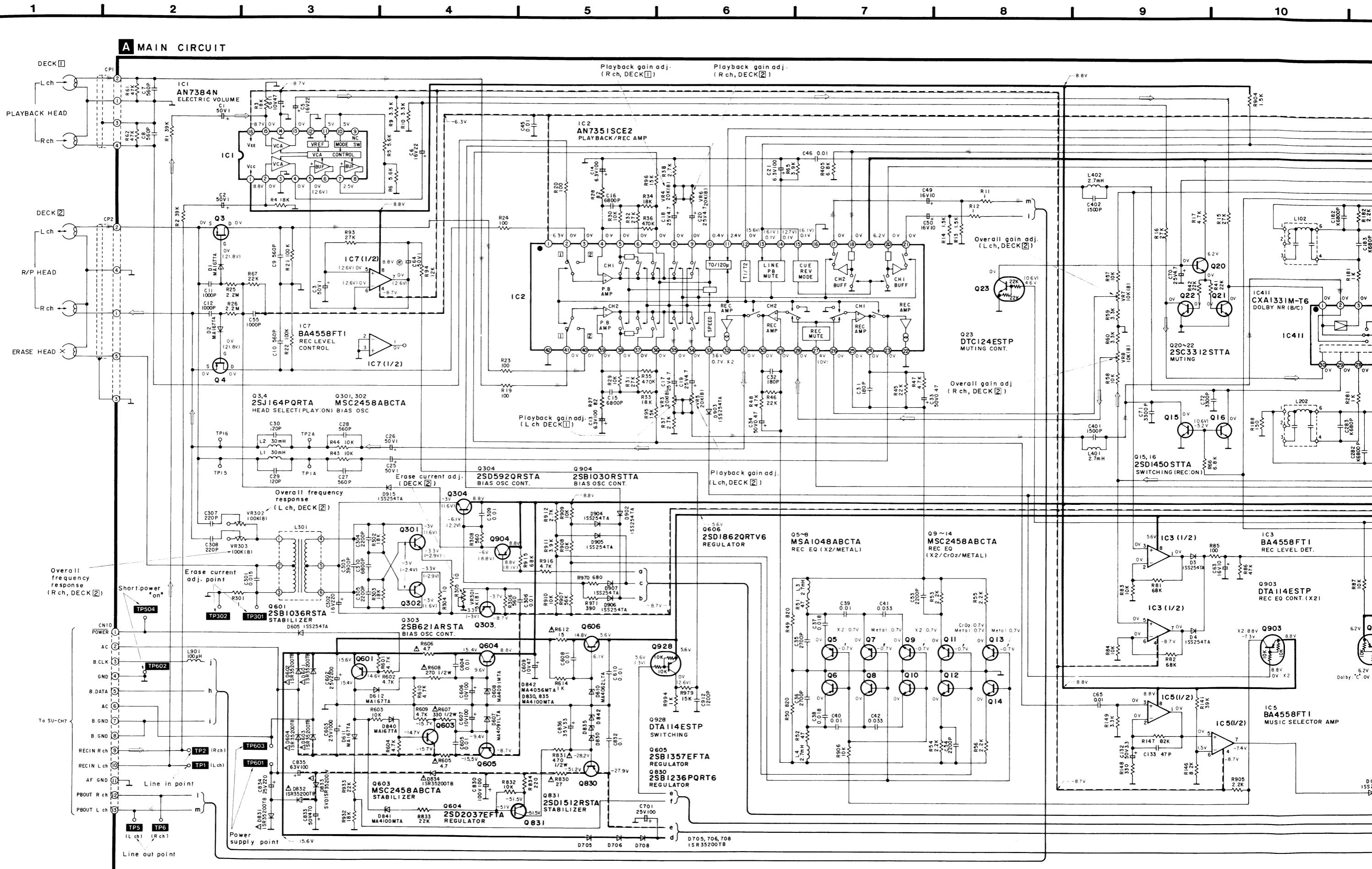
Fig. 9

■ BLOCK DIAGRAM

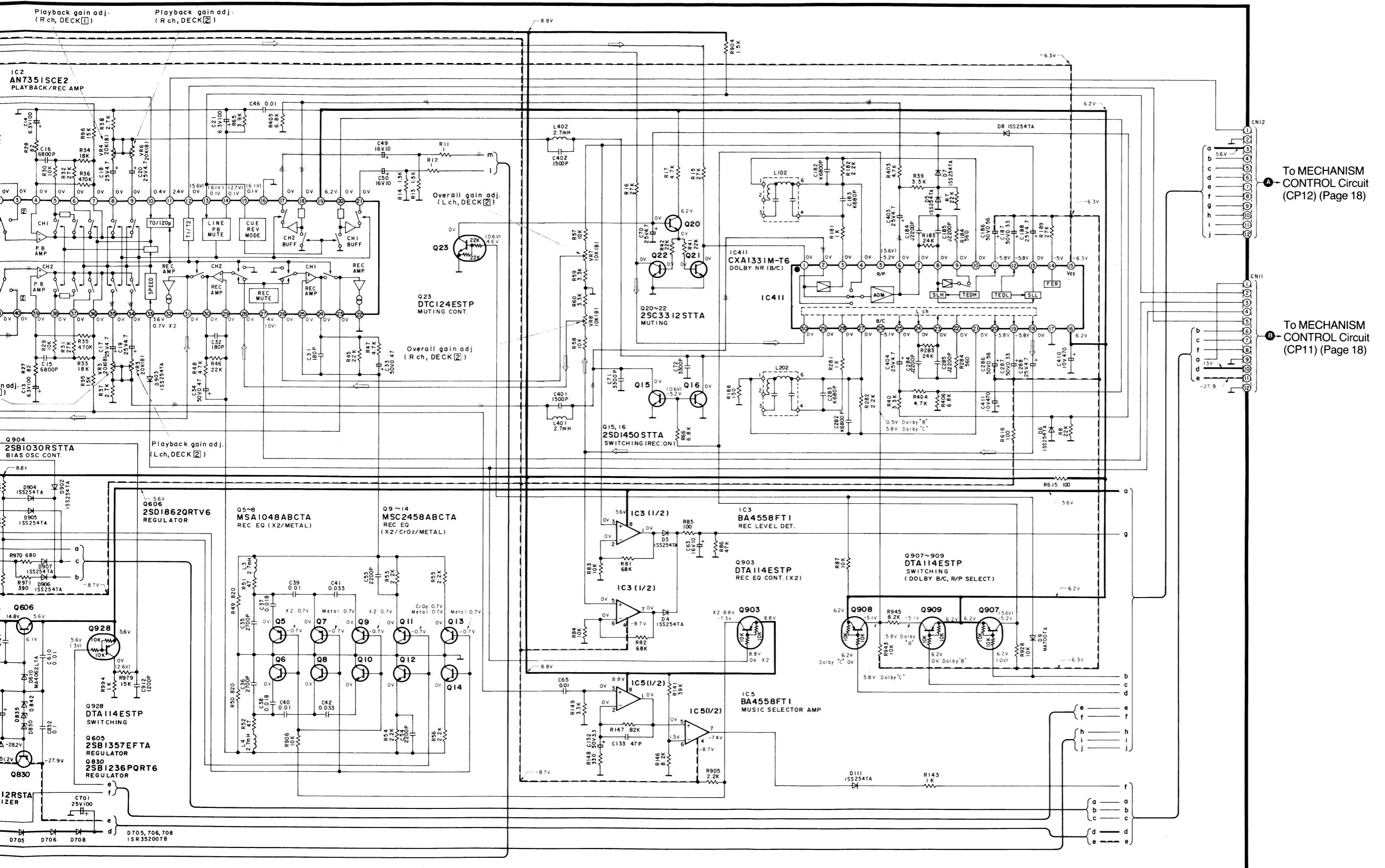
■ BLOCK DIAGRAM



■ SCHEMATIC DIAGRAM (Parts list on pages 25~28)



5 6 7 8 9 10 11 12 13 14



■ SCHEMATIC DIAGRAM (Parts list on pages 25~28.)

Notes:

- S810 : Counter reset switch in "OFF" position. (COUNTER RESET)
- S811 : Stop switch in "OFF" position. (STOP)
- S812, 813 : FF/REW/MS switch. (S812: ▶, S813: ◀)
- S814, 815 : Playback switch. (S814: ▶, S815: ◀)
- S816 : Rec pause switch. (REC PAUSE)
- S817 : DECK 1/DECK 2 selector switch.
- S818 : Synchro start switch. (SYNCHRO START)
- S819 : Edit speed switch. (SPEED)
- S820 : Dolby NR switch in "OFF" position.
- S821 : Reverse mode switch. (REVERSE MODE)
- S971A~976A : DECK 2 mechanism leaf switch.
 - S971A: Mode detect.
 - S972A: Half detect.
 - S973A: Reverse side record prevention tab detect.
 - S974A: Forward side record prevention tab detect.
 - S975A: ATS (CrO₂).
 - S976A: ATS (Metal).
- S971~973 : Deck 1 mechanism leaf switch.
 - S971: Mode detect.
 - S972: Half detect.
 - S973: ATS (CrO₂).

Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard.

Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

No mark... Playback ()... Recording

Important safety notice:

Components identified by Δ mark have special characteristics important for safety.

When replacing any of these components, use only manufacturer's specified parts.

This schematic diagram may be modified at any time with the development of new technology.

— : Positive voltage line
— : Negative voltage line
— : Playback signal

— : Positive voltage line
— : Negative voltage line
— : Recording signal line

Caution!

IC and LSI are sensitive to static electricity.

Secondary trouble can be prevented by taking care during repair.

Cover the parts boxes made of plastics with aluminum foil.

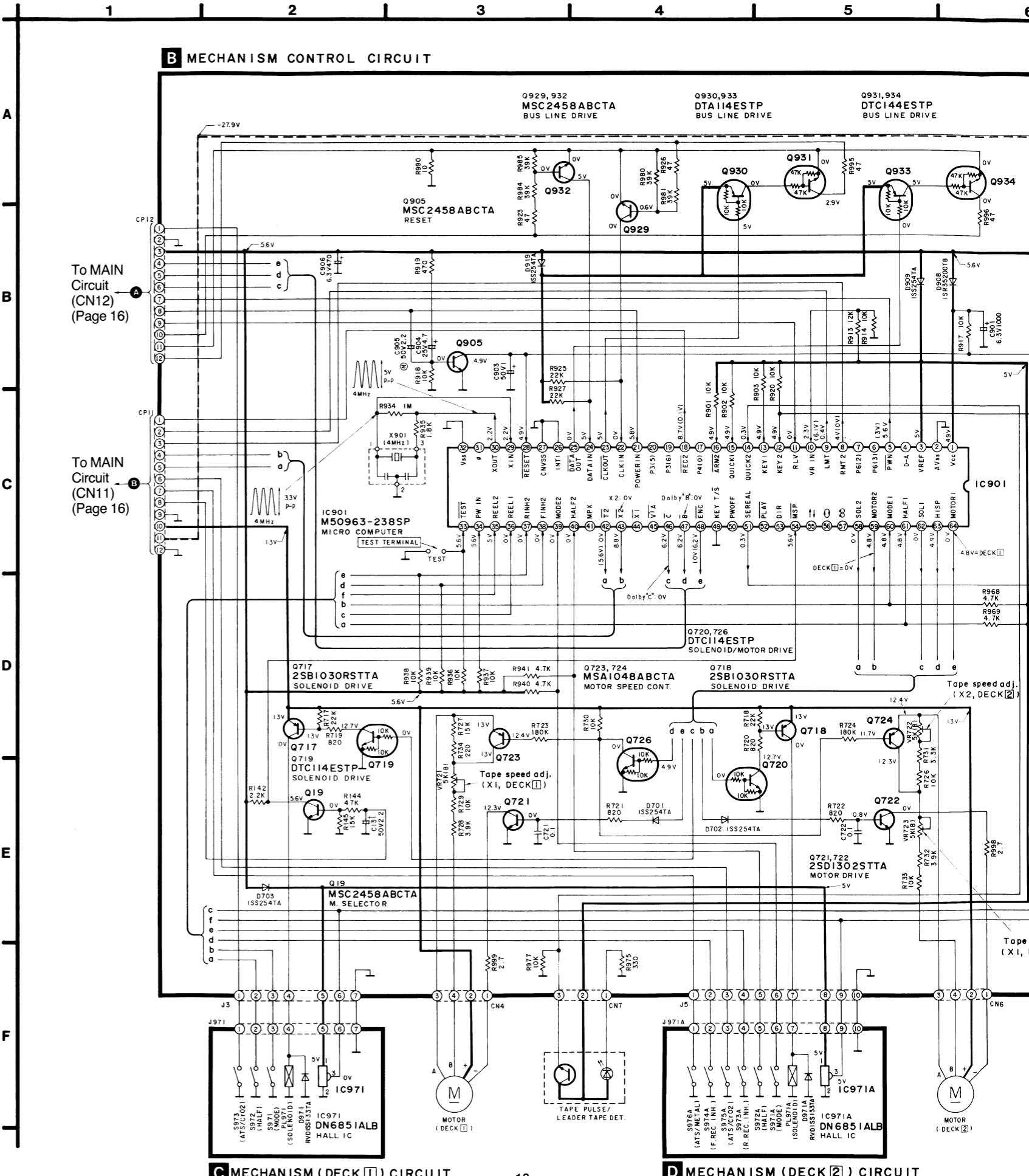
Ground the soldering iron.

Put a conductive mat on the work table.

Do not touch the legs of IC or LSI with the fingers directly.

The supply part number is described alone in the replacement parts list.

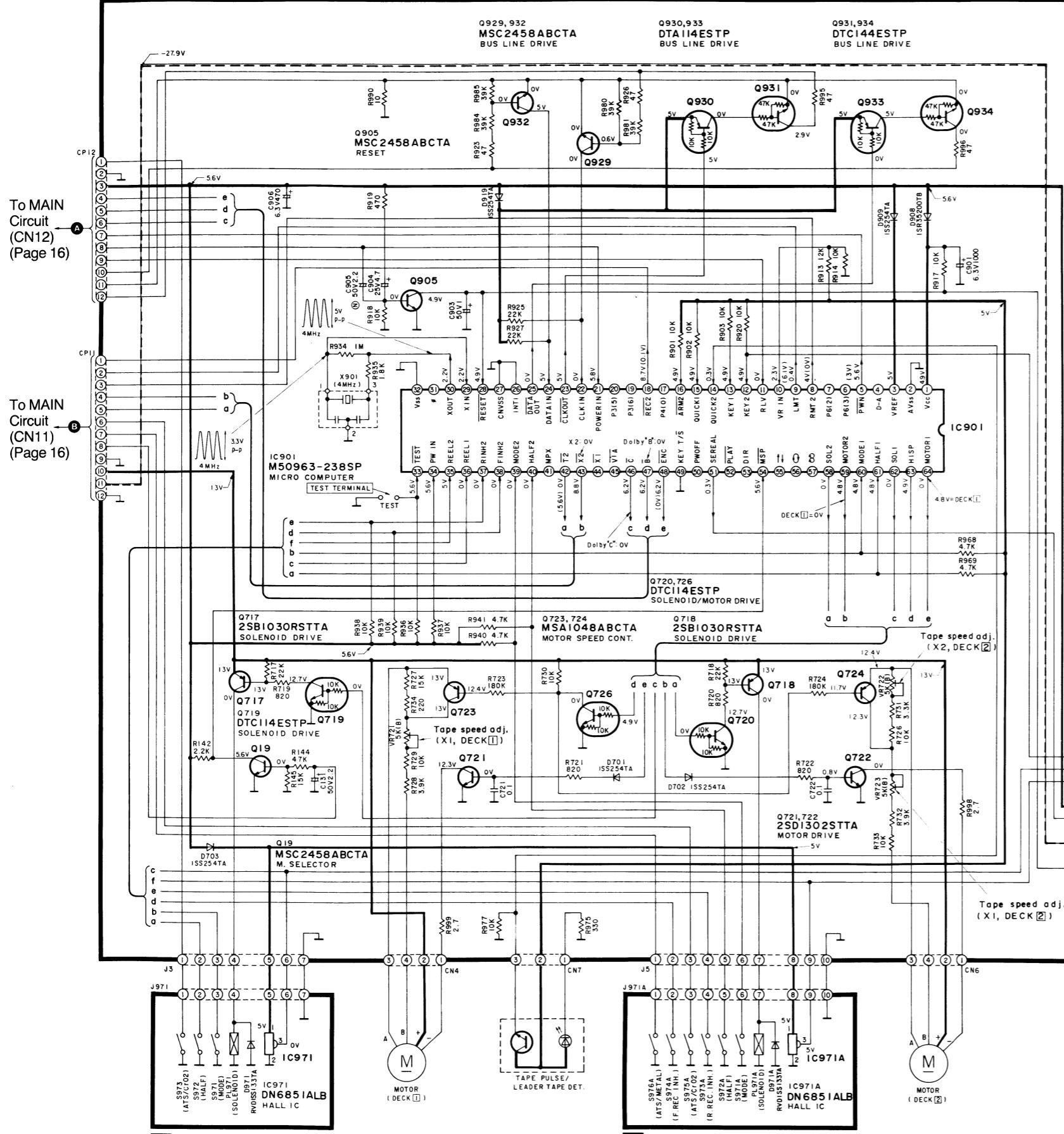
Ref. No.	Production Part No.	Supply Part No.
IC3, 5, 7	BA4558FT1	SVIBA4558F



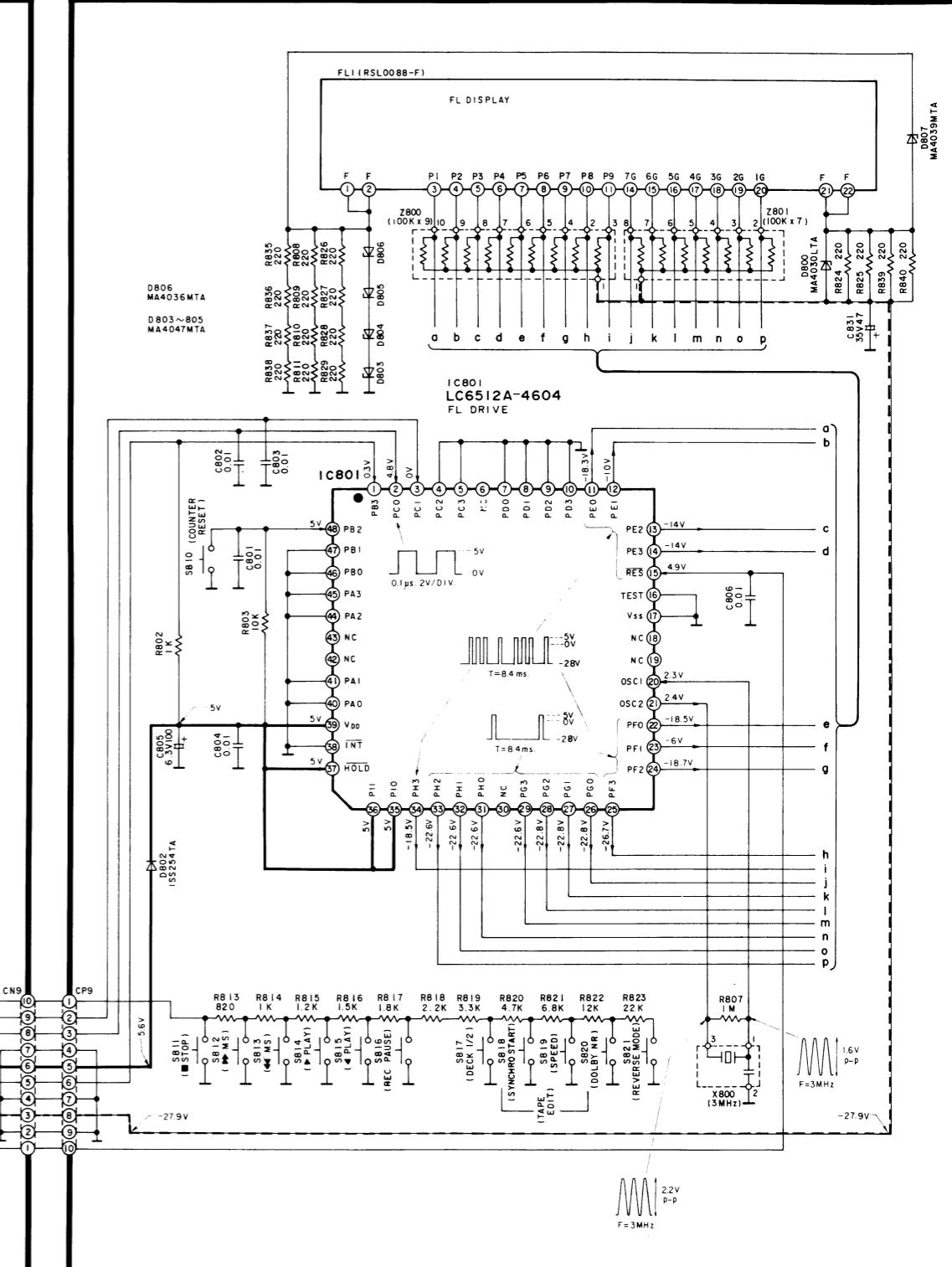
■ SCHEMATIC DIAGRAM (Parts list on pages 25~28)

1 2 3 4 5 6 7 8 9 10

B MECHANISM CONTROL CIRCUIT



E OPERATION CIRCUIT

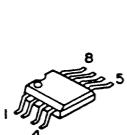
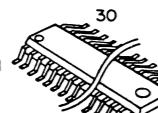
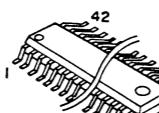
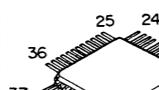
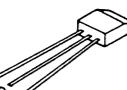
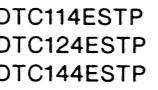
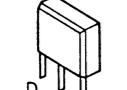
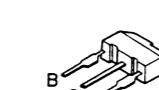
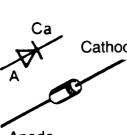
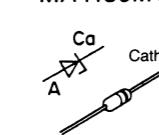


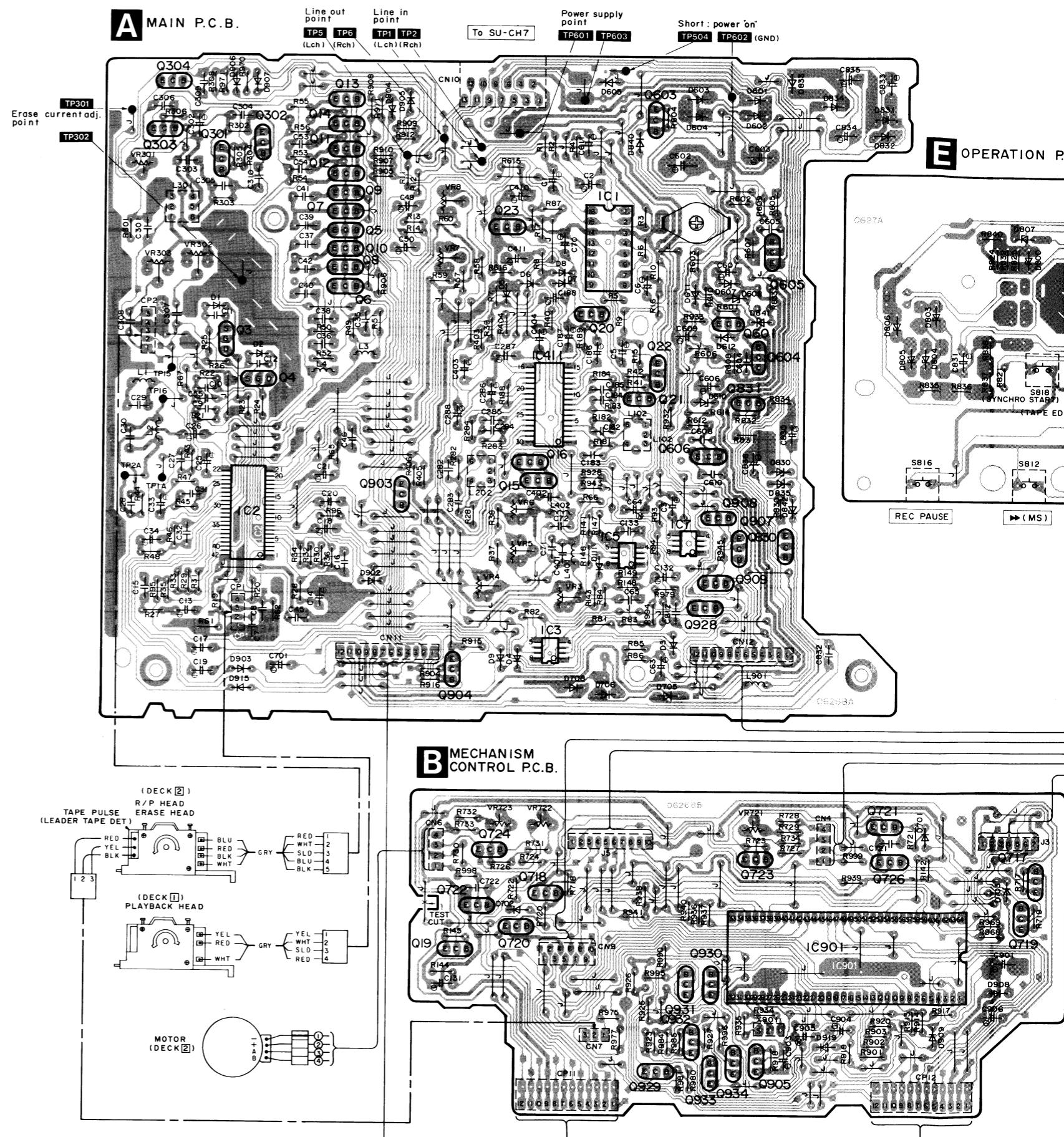
C MECHANISM (DECK 1) CIRCUIT

■ PRINTED CIRCUIT BOARDS AND WIRING CONNECTION DIAGRAM

1 2 3 4 5 6 7 8 9 10

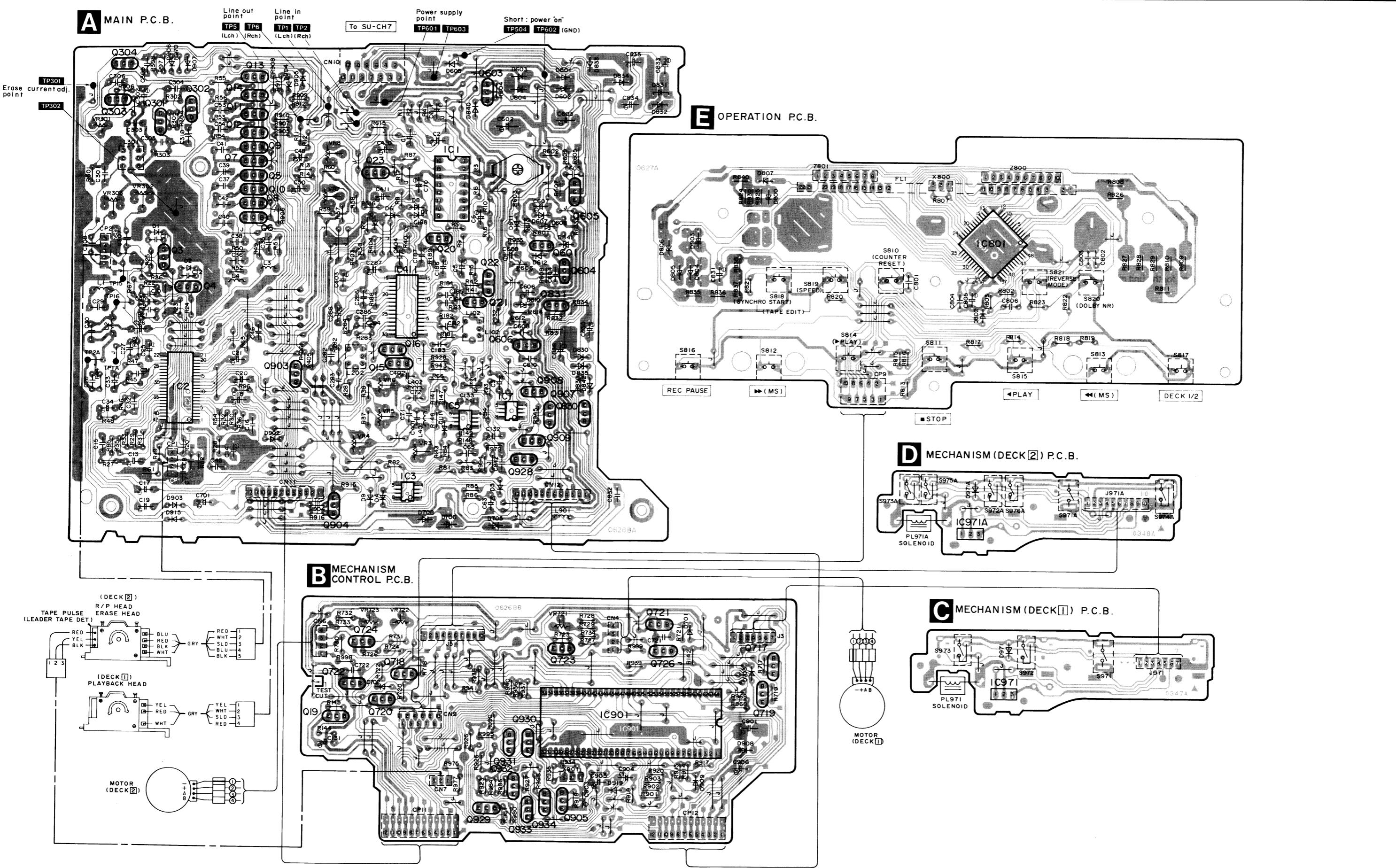
• Terminal guide of IC's, transistors and diodes

BA4558FT1	CXA1331M-T6	AN7351SC
		
AN7384N	M50963-238SP	LC6512A-4604
		
DN6851A	2SB621ARSTA 2SD592QRSTA 2SD1302STTA	MSA1048ABCTA MSC2458ABCTA
		
DTA114ESTP DTC114ESTP DTC124ESTP DTC144ESTP	2SB1030RSTA 2SC3312STTA 2SD1450STTA	
		
2SJ164PQRTA	2SB1357EFTA 2SD2037EFTA	2SB1240QRTV6 2SD1862QRTV6
		
MA1677A MA700TA 1SS254TA 1SR35200TB	MA4130MTA	
		
MA4030LTA MA4036MTA MA4039MTA MA4047MTA MA4062LTA MA4091LTA	NOTES:	
	BLK Black BLU Blue BRN Brown GRY Gray GRN Green L.BLU..... Light Blue	ORG Orange PNK Pink RED Red SLD Shield Wire VLT Violet WHT White YEL Yellow



1

5



■ FUNCTION OF IC TERMINALS

• IC801 (LC6512A-4604)

Pin No.	Mark	I/O Division	Function
1	PB3	I	Serial data input
2	PC0	I/O	Deck 2 Rotation pulse signal of reel table
3	PC1	I/O	Deck 1 Rotation pulse signal of reel table
4 10	—	—	Connected to GND
11 14	PE0 PE3	O	FL port signal output
15	RES	I	Reset terminal
16	TEST	—	Connected to GND
17	VSS	—	Connected to GND
18 19	NC	—	Not connected
20	OSC1	I/O	Connected to ceramic oscillator (X800)
21	OSC2	—	Connected to ceramic oscillator (X800)

Pin No.	Mark	I/O Division	Function
22 25	PF0 PF3	O	FL port signal output
26 29	PG0 PG3	O	FL grid signal output
30	NC	—	Not connected
31 34	PH0 PH3	O	FL grid signal output
35 36	P10 P11	—	Not connected
37	HOLD	—	Not connected
38	INT	—	Connected to GND
39	VDD	I	Power supply (+5.6 V)
40 47	—	—	Connected to GND
48	PB2	I	Counter reset terminal

• IC901 (M50963-236SP)

Pin No.	Mark	I/O Division	Function
1	VCC	I	Power supply (+5 V)
2	AVSS	—	Connected to GND
3	VREF	I	Reference voltage input (+5 V)
4	NC	—	Not connected
5	PWN	O	Control voltage terminal of electric volume
6 7	NC	—	Not connected
8	RMT2	O	Rec, amp, mute signal of deck 2 "L" level in mute is off mode "H" level in mute is on mode
9	LMT	O	Line out mute signal
10	VR IN	I	Not used and connected to resistance
11	RLV	I	Recording level detection (at ATLS position)

Pin No.	Mark	I/O Division	Function
12	KEY2	I	Key switch input Pin 13 is not used and connected to resistance
13	KEY1	I	Not connected
14	QUICK2	O	Pin 15 is not used and connected to resistance
15	QUICK1	O	Not connected
16	ARM2	I	Mute key input Not used and connected to resistance
17	NC	—	Not connected
18	REC2	I	Recording bias control voltage terminal "L" level when is on "H" level when is off
19 20	NC	—	Not connected
21	POWER IN	I	Power ON/OFF detection terminal
22	CLK IN	I	Clock input for serial data
23	CLK OUT	O	Clock output for serial data

Pin No.	Mark	I/O Division	Function
24	DATA IN	I	Serial data input
25	DATA OUT	O	Serial data output
26	NC	—	Connected to Vss
27	CNVSS	—	Connected to Vss
28	RESET	I	Reset terminal "L" level when reset is off mode "L" → "H" level when reset is on mode
29	X IN	I	Clock OSC terminal Connected to crystal oscillator
30	X OUT	O	Not used
31	NC	—	Not used
32	Vss	—	Connected to GND
33	TEST	—	Test terminal ("L" level)
34	PW IN	I	Not used
35	REEL2	I	Deck 2 Rotation pulse signal of reel table
36	REEL1	I	Deck 1 Rotation pulse signal of reel table
37	RINH2	I	Deck 2 Reverse Rec. Inh. switch select terminal
38	FINH2	I	Deck 2 Forward Rec. Inh. switch select terminal
39	MODE2	I	Deck 2 mechanism mode switch select terminal
40	HALF2	I	Deck 2 cassette half detection switch "L" level in half detection switch is on mode. "H" level in half detection switch is off mode.
41	MPX	—	Not used
42	T2	O	Deck 2 play select signal "L" level with PLAY mode.
43	X2	O	X2 Speed LED display "L" level when LED is on mode
44	X1	O	Not used
45	VIA	—	Not used

Pin No.	Mark	I/O Division	Function
46	C	O	Dolby C LED display "L" level when LED is on mode "H" level when other mode
47	B	O	Encode/Decode select signal "L" level in encode mode "H" level in decode mode
48	ENC	O	Not use and connected to GND
50	PW OFF	—	Not used
51	SERIAL	O	Control for FL micro computer Serial data output
52	PLAY	O	Not used
53	DIR	O	Music search signal detection terminal
55	—	O	Not used
56	—	O	Not used
57	—	O	Deck 2 Solenoid control signal "H" level when solenoid is on mode "L" level when solenoid is off mode
59	MOTOR2	O	Deck 2 Motor control signal "H" level when motor is on mode "L" level when motor is off mode
60	MODE1	I	Deck 1 mechanism mode switch select terminal
61	HALF1	I	Deck 1 cassette half detection switch "L" level in half detection switch is on mode "H" level in half detection switch is off mode
62	SOL1	O	Deck 1 Solenoid control signal "H" level when solenoid is on mode "L" level when solenoid is off mode
63	HISP	O	Motor speed control signal "L" level when normal speed "H" level when high speed
64	MOTOR1	O	Deck 1 Motor control signal "H" level when motor is on mode "L" level when motor is off mode

■ REPLACEMENT PARTS LIST

Notes : * Important safety notice:
 Components identified by Δ mark have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.
 * The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)
 Parts without these indications can be used for all areas.

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
				Q932	MSC2458ABCTA	TRANSISTOR	
		INTEGRATED CIRCUIT(S)		Q933	DTA114ESTP	TRANSISTOR	
				Q934	DTC144EKT96	TRANSISTOR	
IC1	AN7384N	I. C. ELECTRIC VOLUME		D1, 2	MA167	DIODE	
IC2	AN7351SCE2	I. C. PLAYBACK/REC AMP.		D3-8	ISS254TA	DIODE	
IC3	SVIBA4558F	I. C. REC LEVEL DET.		D9	MA700TA	DIODE	
IC5	SVIBA4558F	I. C. MUSIC SEL. AMP.		D111	ISS254TA	DIODE	
IC7	SVIBA4558F	I. C. REC LEVEL CONT.		D601-604	1SR35200TB	DIODE	Δ
IC411	CXA1331M-T6	I. C. DOLBY NR. (B/C)		D605	ISS254TA	DIODE	
IC801	LC6512A-4604	I. C. FL DRIVE		D607	MA4091LTA	DIODE	
IC901	M50963-238SP	I. C. MICRO COMPUTER		D608	MA4091-M	DIODE	
IC971	DN6851ALB	I. C. HALL		D610	MA4062	DIODE	
IC971A	DN6851ALB	I. C. HALL		D611, 612	MA167	DIODE	
		TRANSISTOR(S)		D701-703	ISS254TA	DIODE	
Q3, 4	2SJ164PQRTA	TRANSISTOR		D705, 706	1SR35200TB	DIODE	
Q5-8	MSA1048ABCTA	TRANSISTOR		D708	1SR35200TB	DIODE	
Q9	MSC2458ABCTA	TRANSISTOR		D800	MA4030LTA	DIODE	
Q10-14	MSC2458ABCTA	TRANSISTOR		D802	ISS254TA	DIODE	
Q15, 16	2SD1450STTA	TRANSISTOR		D803-805	MA4047MTA	DIODE	
Q19	MSC2458ABCTA	TRANSISTOR		D806	MA4036MTA	DIODE	
Q20-22	2SC3312STTA	TRANSISTOR		D807	MA4039MTA	DIODE	
Q23	DTC124EST	TRANSISTOR		D830	MA4100MTA	DIODE	
Q301, 302	MSC2458ABCTA	TRANSISTOR		D831, 832	1SR35200TB	DIODE	Δ
Q303	2SB621A-R	TRANSISTOR		D833	SVD1SR35200A	DIODE	Δ
Q304	2SD592NCR	TRANSISTOR		D834	1SR35200TB	DIODE	Δ
Q601	2SB1036RSTA	TRANSISTOR		D835	MA4100MTA	DIODE	
Q603	MSC2458ABCTA	TRANSISTOR		D840	MA167	DIODE	
Q604	2SD2037EFTA	TRANSISTOR		D841	MA4100MTA	DIODE	
Q605	2SB1357EFTA	TRANSISTOR		D842	MA4056MTA	DIODE	
Q606	2SD1862QRTV6	TRANSISTOR		D902-907	ISS254TA	DIODE	
Q717, 718	2SB1030QTA	TRANSISTOR		D908	1SR35200TB	DIODE	
Q719, 720	DTC114ESTP	TRANSISTOR		D909	ISS254TA	DIODE	
Q721, 722	2SD1302STTA	TRANSISTOR		D915	ISS254TA	DIODE	
Q723, 724	MSA1048ABCTA	TRANSISTOR		D919	ISS254TA	DIODE	
Q726	DTC114ESTP	TRANSISTOR		D971	RVD1SS133TA	DIODE	
Q830	2SB1236PQRT6	TRANSISTOR		D971A	RVD1SS133TA	DIODE	
Q831	2SD1512R	TRANSISTOR				VARIABLE RESISTOR(S)	
Q903	DTA114ESTP	TRANSISTOR		VR3-6	EVNDXAA00B24	V. R. PLAYBACK GAIN ADJ.	
Q904	2SB1030QTA	TRANSISTOR		VR7, 8	EVNDXAA00B14	V. R. REC/PLAYBACK LEVEL ADJ.	
Q905	MSC2458ABCTA	TRANSISTOR		VR301	EVNDXAA00B53	V. R. ERASE CURRENT ADJ.	
Q907-909	DTA114ESTP	TRANSISTOR		VR302, 303	EVNDXAA00B15	V. R. OVERALL FREQ. ADJ.	
Q928	DTA114ESTP	TRANSISTOR		VR721-723	EVNDCAA03B53	V. R. TAPE SPEED ADJ.	
Q929	MSC2458ABCTA	TRANSISTOR					
Q930	DTA114ESTP	TRANSISTOR					
Q931	DTC144EKT96	TRANSISTOR					

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		COMPONENT COMBINATION(S)		CN6	RJS1A1704	SOCKET(4P)	
Z800	EXBF10E104J	COMPONENT COMBINATION		CN7	SJTD313	CONNECTOR(3P)	
Z801	EXBF8E104J	COMPONENT COMBINATION		CN9	RJS10Q8ZA	SOCKET(10P)	
		COIL(S)		CN10	RJT055B013	CONNECTOR(13P)	
L1, 2	SLQX303-1KT	COIL		CN11, 12	RJT057W012-1	CONNECTOR(12P)	
L3, 4	SLQX272-1YT	COIL		CP1	SJTD413	CONNECTOR(4P)	
L102	RLM2B005-1M	COIL		CP2	RJP5G18ZA	CONNECTOR(5P)	
L202	RLM2B005-1M	COIL		CP9	RJS10Q9ZA	SOCKET(10P)	
L301	SL09B4-K	COIL		CP11, 12	RJU057W012	SOCKET(12P)	
L401, 402	SLQX272-1YT	COIL		J3	RJS7T4ZA	SOCKET(7P)	
L901	ELEXT101KA9	COIL		J5	SJSD1005	SOCKET(10P)	
		OSCILLATOR(S)					
X800	EF0GC3004T4	OSCILLATOR					
X901	EF0GC4004A4	OSCILLATOR					
		DISPLAY					
FL1	RSL0088-F	DISPLAY					
		SWITCH(ES)					
S810	EVQ21405R	SW, COUNTER RESET					
S811	EVQ21405R	SW, STOP					
S812	EVQ21405R	SW, MS (FF)					
S813	EVQ21405R	SW, MS (REW)					
S814	EVQ21405R	SW, F PLAY					
S815	EVQ21405R	SW, R PLAY					
S816	EVQ21405R	SW, REC PAUSE					
S817	EVQ21405R	SW, DECK 1/2					
S818	EVQ21405R	SW, SYNCHRO START					
S819	EVQ21405R	SW, SPEED					
S820	EVQ21405R	SW, DOLBY NR					
S821	EVQ21405R	SW, REVERSE MODE					
S971	RSH1A89Z	SW, MODE (DECK1)					
S971A	RSH1A89Z	SW, MODE (DECK2)					
S972	RSH1A90YB-U	SW, HALF (DECK1)					
S972A	RSH1A90YB-U	SW, HALF (DECK2)					
S973	RSH1A90YB-U	SW, ATS/Cr02 (DECK1)					
S973A	RSH1A90YB-U	SW, R. REC INH (DECK2)					
S974A	RSH1A90YB-U	SW, F. REC INH (DECK2)					
S975A	RSH1A90YB-U	SW, ATS/Cr02 (DECK2)					
S976A	RSH1A90YB-U	SW, ATS/METAL (DECK2)					
		CONNECTOR(S)					
CN4	RJS1A1704	SOCKET(4P)					

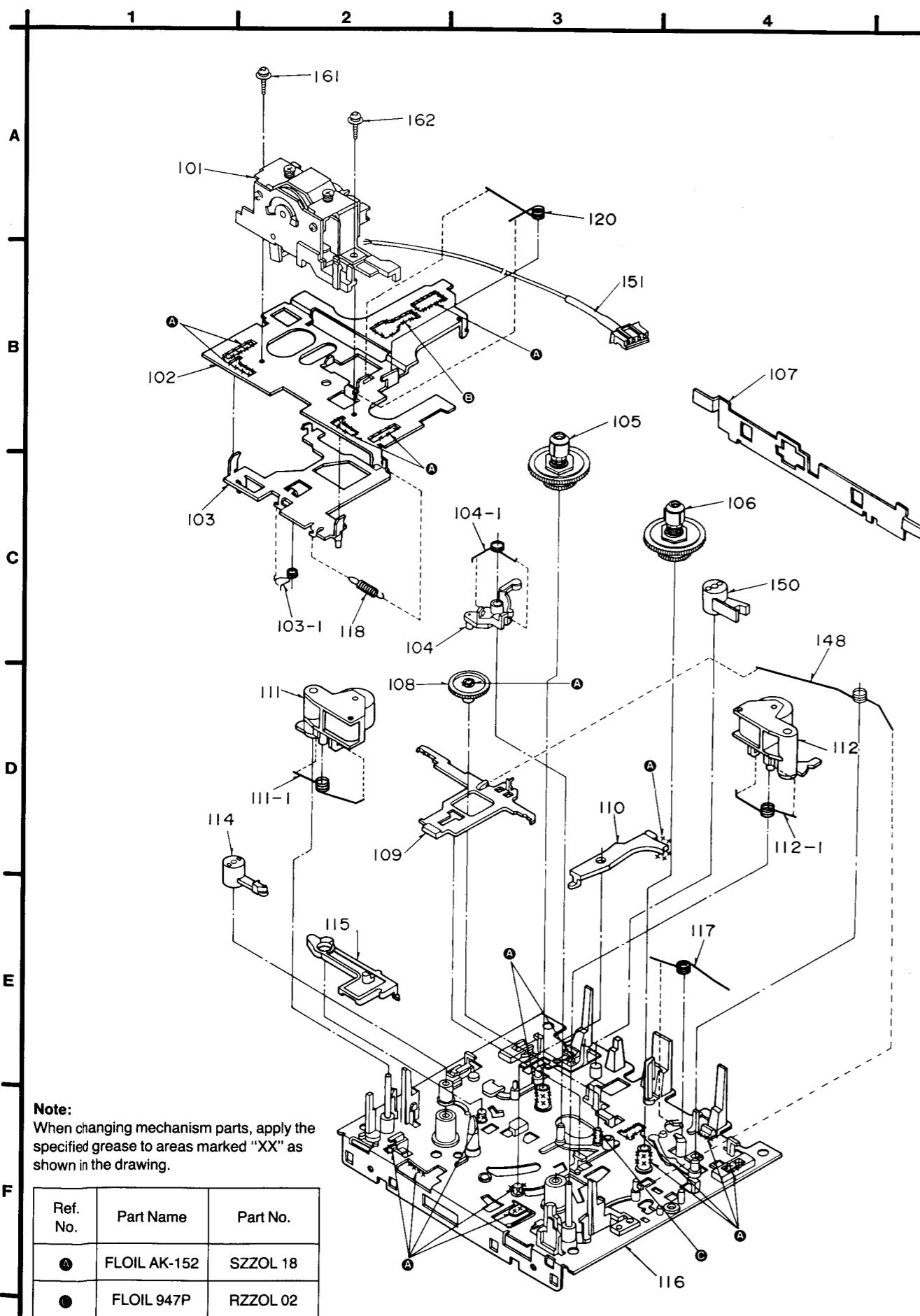
Notes : * Capacity values are in microfarads (μ F) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
 * Resistance values are in ohms, unless specified otherwise, 1K=1,000(ohm), 1M=1,000k(ohm)

Ref. No.	Part No.	Values & Remarks
		RESISTORS
R1, 2	ERDS2TJ393	1/4W 39K
R3, 4	ERDS2TJ183T	1/4W 18K
R5, 6	ERDS2TJ562	1/4W 5.6K
R7, 8	ERDS2TJ223	1/4W 22K
R9	ERDS2TJ332	1/4W 3.3K
R10	ERDS2TJ332	1/4W 3.3K
R11, 12	ERDS2TJ1R0	1/4W 1.0
R13, 14	ERDS2TJ152	1/4W 1.5K
R15, 16	ERDS2TJ273	1/4W 27K
R17	ERDS2TJ472	1/4W 4.7K
R19, 20	ERDS2TJ101	1/4W 100
R21, 22	ERDS2TJ104	1/4W 100K
R23, 24	ERDS2TJ101	1/4W 100
R25, 26	ERDS2TJ225	1/4W 2.2M
R27, 28	ERDS2EJ820	1/4W 82
R29, 30	ERDS2TJ103	1/4W 10K
R31, 32	ERDS2TJ273	1/4W 27K
R33, 34	ERDS2TJ183T	1/4W 18K
R35, 36	ERDS2TJ474	1/4W 470K
R37, 38	ERDS2TJ272T	1/4W 2.7K
R39, 40	ERDS2TJ332	1/4W 3.3K
R41, 42	ERDS2TJ223	1/4W 22K
R43, 44	ERDS2TJ103	1/4W 10K
R45, 46	ERDS2TJ223	1/4W 22K
R47, 48	ERDS2TJ472	1/4W 4.7K
R49, 50	ERDS2TJ821	1/4W 820
R51, 52	ERDS2TJ470	1/4W 47
R53, 56	ERDS2TJ222	1/4W 2.2K
R57, 58	ERDS2TJ103	1/4W 10K
R59, 60	ERDS2TJ332	1/4W 3.3K
R61, 62	ERDS2TJ473	1/4W 47K
R65	ERDS2TJ392T	1/4W 3.9K
R66	ERDS2TJ682T	1/4W 6.8K
R67	ERDS2TJ223	1/4W 22K
R81, 82	ERDS2TJ683	1/4W 68K
R83, 84	ERDS2TJ103	1/4W 10K
R85	ERDS2TJ101	1/4W 100
R86	ERDS2TJ473	1/4W 47K
R87	ERDS2TJ103	1/4W 10K
R93	ERDS2TJ273	1/4W 27K
R94	ERDS2TJ123	1/4W 12K
R95, 96	ERDS2TJ153	1/4W 15K
R141	ERDS2TJ393	1/4W 39K
R142	ERDS2TJ222	1/4W 2.2K
R143	ERDS2TJ102	1/4W 1K
R144	ERDS2TJ473	1/4W 47K

Ref. No.	Part No.	Values & Remarks
R145	ERDS2TJ153	1/4W 15K
R146	ERDS2TJ822	1/4W 8.2K
R147	ERDS2TJ823T	1/4W 82K
R148	ERDS2TJ331	1/4W 330
R149	ERDS2TJ332	1/4W 3.3K
R181	ERDS2TJ102	1/4W 1K
R182	ERDS2TJ222	1/4W 2.2K
R183	ERDS2TJ243T	1/4W 24K
R184	ERDS2TJ561	1/4W 560
R188	ERDS2TJ151	1/4W 150
R189	ERDS2TJ273	1/4W 27K
R281	ERDS2TJ102	1/4W 1K
R282	ERDS2TJ222	1/4W 2.2K
R283	ERDS2TJ243T	1/4W 24K
R284	ERDS2TJ561	1/4W 560
R301	ERDS2TJ1R0	1/4W 1.0
R302, 303	ERDS2TJ183T	1/4W 18K
R304, 305	ERDS2TJ100	1/4W 10
R306	ERDS2TJ561	1/4W 560
R308	ERDS2TJ561	1/4W 560
R403, 404	ERDS2TJ472	1/4W 4.7K
R405, 406	ERDS2TJ682T	1/4W 6.8K
R407	ERD2FCVJ4R7T	1/4W 4.7 Δ
R601, 602	ERDS2TJ472	1/4W 4.7K
R603	ERDS2TJ103	1/4W 10K
R604	ERDS2TJ472	1/4W 4.7K
R605, 606	ERD2FCVJ4R7T	1/4W 4.7 Δ
R607	ERDS1FVJ331T	1/2W 330 Δ
R608	ERDS1FVJ271T	1/2W 270 Δ
R609, 610	ERDS2TJ472	1/4W 4.7K
R612	ERD2FCVG150T	1/4W 15 Δ
R614	ERDS2TJ102	1/4W 1K
R615, 616	ERDS2TJ101	1/4W 100
R717, 718	ERDS2TJ223	1/4W 22K
R719-722	ERDS2TJ821	1/4W 820
R723, 724	ERDS2TJ184T	1/4W 180K
R726	ERDS2TJ103	1/4W 10K
R727	ERDS2TJ153	1/4W 15K
R728	ERDS2TJ392T	1/4W 3.9K
R729, 730	ERDS2TJ103	1/4W 10K
R731	ERDS2TJ332	1/4W 3.3K
R732	ERDS2TJ392T	1/4W 3.9K
R733	ERDS2TJ103	1/4W 10K
R734	ERDS2TJ221	1/4W 220
R802	ERDS2TJ102	1/4W 1K
R803	ERDS2TJ103	1/4W 10K
R807	ERDS2TJ105T	1/4W 1M
R808-811	ERDS2TJ221	1/4W 220
R813	ERDS2TJ821	1/4W 820
R814	ERDS2TJ102	1/4W 1K
R815	ERDS2TJ122	1/4W 1.2K
R816	ERDS2TJ152	1/4W 1.5K
R817	ERDS2TJ182	1/4W 1.8K
R818	ERDS2TJ222	1/4W 2.2K
R819	ERDS2TJ332	1/4W 3.3K
R820	ERDS2TJ472	1/4W 4.7K
R821	ERDS2TJ682T	1/4W 6.8K
R822	ERDS2TJ123	1/4W 12K
R823	ERDS2TJ223	1/4W 22K
R824-829	ERDS2TJ221	1/4W 220
R830	ERD2FCVG270T	1/4W 27 Δ
R831	ERDS1FVJ471T	1/2W 470 Δ
R832	ERDS2TJ103	1/4W 10K
R833	ERDS2TJ223	1/4W 22K
R834-840	ERDS2TJ221	1/4W 220
R901-903	ERDS2TJ103	1/4W 10K
R904	ERDS2TJ152	1/4W 1.5K
R905	ERDS2TJ222	1/4W 2.2K
R906	ERDS2TJ103	1/4W 10K
R907	ERDS2TJ563	1/4W 56K
R908-910	ERDS2TJ103	1/4W 10K
R911	ERDS2TJ392T	1/4W 3.9K
R912	ERDS2TJ272T	1/4W 2.7K
R913	ERDS2TJ123	1/4W 12K
R914	ERDS2TJ103	1/4W 10K
R915	ERDS2TJ683	1/4W 68K
R916	ERDS2TJ472	1/4W 4.7K
R917, 918	ERDS2TJ103	1/4W 10K
R919	ERDS2TJ471	1/4W 470
R920	ERDS2TJ103	1/4W 10K
R923	ERDS2TJ470	1/4W 47
R925	ERDS2TJ223	1/4W 22K
R926	ERDS2TJ470	1/4W 47
R927	ERDS2TJ223	1/4W 22K
R928	ERDS2TJ103	1/4W 10K
R932	ERDS2TJ183T	1/4W 18K
R933	ERDS2TJ223	1/4W 22K
R934	ERDS2TJ182	1/4W 1.8K
R935	ERDS2TJ103	1/4W 1M
R936-939	ERDS2TJ103	1/4W 10K
R940, 941	ERDS2TJ472	1/4W 4.7K
R943	ERDS2TJ103	1/4W 10K
R945	ERDS2TJ822	1/4W 8.2K
R968, 969	ERDS2TJ472	1/4W 4.7K
R970	ERDS2TJ681	1/4W 680
R971	ERDS2TJ391	1/4W 390
R975	ERDS2TJ331	1/4W 330
R977	ERDS2TJ103	1/4W 10K
R979	ERDS2TJ153	1/4W 15K

Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
R980, 981	ERDS2TJ393	1/4W 39K	C302	ECEA1CU221	16V 220U
R984, 985	ERDS2TJ393	1/4W 39K	C303	ECKR1H392KB5	50V 3900P
R990	ERDS2TJ100	1/4W 10	C304, 305	ECFR1E222KV	25V 2200P
R994	ERDS2TJ102	1/4W 1K	C306	ECKR1H103ZF5	50V 0.01U
R995, 996	ERDS2TJ470	1/4W 47	C307, 308	ECBT1H221KB5	50V 220P
R998, 999	ERDS2TJ2R7T	1/4W 2.7	C309	ECKR1H103ZF5	50V 0.01U
			C310	ECFR1E682KV	25V 6800P
			C401, 402	ECBT1C152JR5	16V 1500P
			C403, 404	ECEA1EKA4R7B	25V 4.7U
			C410, 411	ECEA1AU471	10V 470U
			C411	ECEA1AU470	10V 47U
			C421	ECEA1EU220	25V 2200U
			C423	ECEA1EU102B	25V 1000U
			C424	ECEA1EU101	10V 100U
			C425	ECEA1AU	

■ MECHANISM PARTS LOCATION •DECK 1

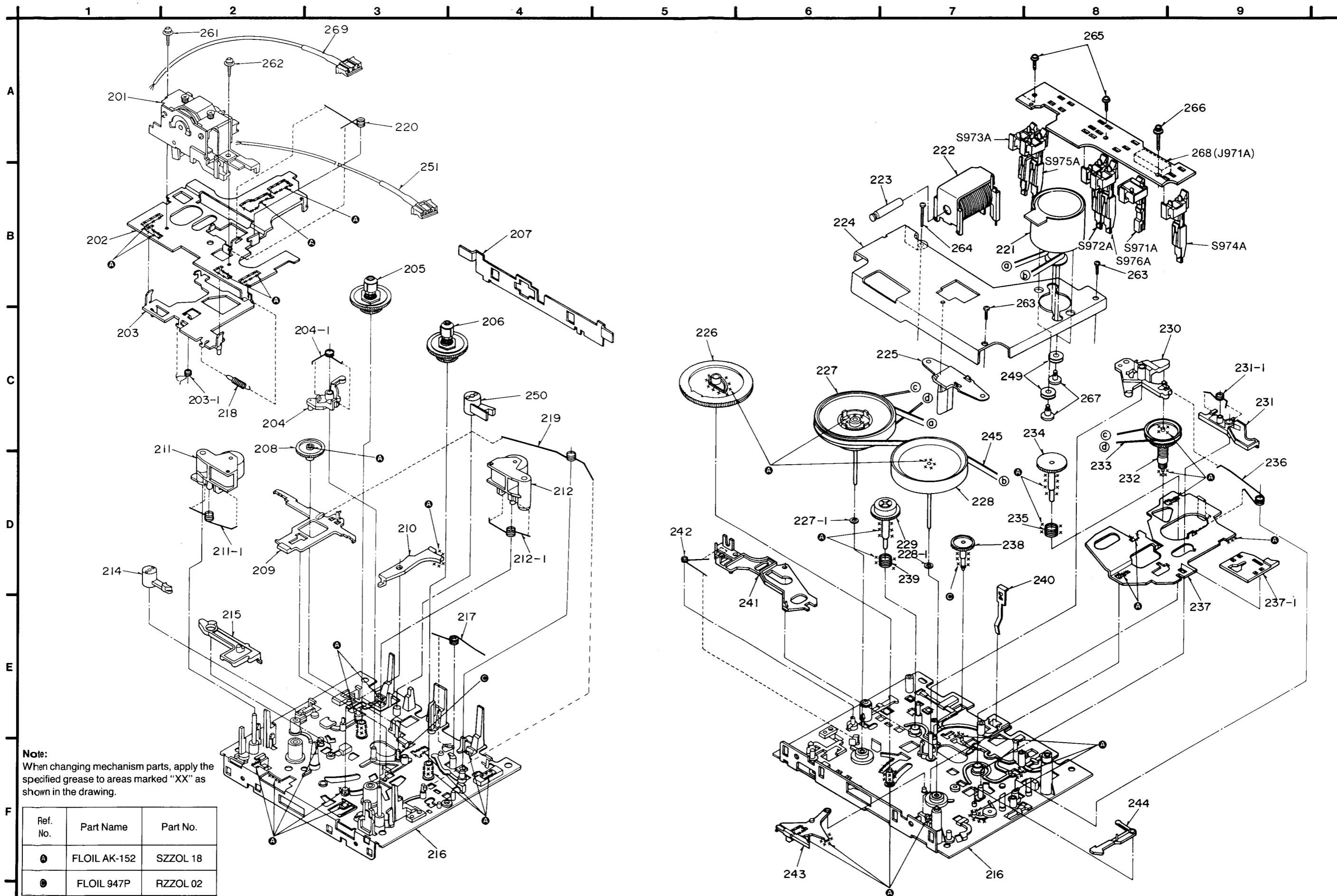


Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		MECHANISM PARTS LIST		144	RUB509ZA	LEVER	
(DECK1)				145	RDV108ZA	CAPSTAN BELT	
101	RXQ0051-1	HEAD BLOCK(PLAY)		148	RJW144ZA	SPRING	
102	RUA793ZF	HEAD BASE		149	RHG3032ZA	RUBBER CUSHION	
103	RZLAR300A	ROD		150	RNL180ZB	DAMPER ARM	
103-1	RJW143ZA	SPRING		151	REX0132	LEAD WIRE(4P)	
104	IUB0089ZA	ARM		161	XTW2+6L	SCREW	
104-1	RJW148ZA	SPRING		162	XTW2+8L	SCREW	
105	1DM0018ZB	REEL TABLE(R)		163	XTN26+7J	SCREW	
106	1DM0017ZB	REEL TABLE(F)		164	RHE5203ZA	SCREW	
107	RML0069-1	LEVER		165	XTW2+8S	SCREW	
108	RDG5772ZC	GEAR		166	XYC2+JF16	SCREW	
109	RUB508ZB	BRAKET ROD		167	RHD26002	SCREW	
110	RUB506ZB	LEVER		168	RJS7T7ZA	CONNECTOR(7P) J971	
111	IUB0088ZB	ARM(R)					
111-1	RJW141ZA	SPRING					
112	IUB0087ZB	ARM(F)					
112-1	RJW140ZC	SPRING					
114	RNL1ZD	DAMPER ARM					
115	RUB503ZD	MAIN LEVER					
116	RFKRRSCH9N	CHASSIS ASS'Y					
117	RJW142ZA	SPRING					
118	RUD105ZA	SPRING					
120	RJW139ZA	SPRING					
121	RFKPRSC9N	DC MOTOR ASS'Y					
122	IUE0015ZB	PLUNGER					
123	RUB428ZE	MOVING IRON CORE					
124	RMA0101	ANGLE					
125	RMD5014ZC	ANGLE					
126	RDG5927ZG	MAIN GEAR					
127	1DW0037ZB	FLYWHEEL(F)					
127-1	RNW139ZA	WASHER					
128	1DW0038ZB	FLYWHEEL(R)					
128-1	RNW138ZA	WASHER					
129	1DG0006ZB	REEL TABLE GEAR					
130	RUB513ZD	ARM					
131	IUB0091ZA	LEVER					
131-1	RJW146ZA	SPRING					
132	1DR0011ZB	MAIN PULLEY					
133	RDV90ZB	BELT					
134	RDG5769ZA	REEL TABLE GEAR					
135	RJQ111ZB	SPRING					
136	RJW145ZA	SPRING					
137	IUB0090ZA	ROD					
137-1	RUB512ZB	ROD					
138	RDG5773ZB	GEAR					
139	RJQ112ZA	SPRING					
140	RUS609ZC	TAPE PRESSURE SPRING					
141	RUB514ZC	LEVER					
142	RJW147ZA	SPRING					
143	RUB515ZA	LEVER					

Ref. No.	Part No.	Part Name & Description	Remarks
MECHANISM PARTS LIST			
(DECK2)			
201	RXQ0161	HEAD BLOCK(REC/PLAYBACK)	
202	RUA793ZF	HEAD BASE	
203	RZLAR300A	ROD	
203-1	RW143ZA	SPRING	
204	IUB0089ZA	ARM	
204-1	RW148ZA	SPRING	
205	1DM0018ZB	REEL TABLE(R)	
206	1DM0017ZB	REEL TABLE(F)	
207	RML0069-1	LEVER	
208	RDG5772ZC	GEAR	
209	RUB508ZB	BRAKET ROD	
210	RUB506ZB	LEVER	
211	IUB0088ZB	ARM(R)	
211-1	RW141ZA	SPRING	
212	IUB0087ZB	ARM(F)	
212-1	RW140ZC	SPRING	
214	RNL1ZD	DAMPER ARM	
215	RUB503ZD	MAIN LEVER	
216	RFKRRSCH9N	CHASSIS ASS'Y	
217	RW142ZA	SPRING	
218	RUD105ZA	SPRING	
219	RW144ZA	SPRING	
220	RW139ZA	SPRING	
221	RFM133ZA	DC MOTOR	
222	IUE0015ZB	PLUNGER	
223	RUB428ZE	MOVING IRON CORE	
224	RMA0101	ANGLE	
225	RMD5014ZC	ANGLE	
226	RDG5927ZG	MAIN GEAR	
227	1DW0037ZB	FLYWHEEL(F)	
227-1	RNW139ZA	WASHER	
228	1DW0038ZB	FLYWHEEL(R)	
228-1	RNW138ZA	WASHER	
229	1DG0006ZB	REEL TABLE GEAR	
230	RUB513ZD	ARM	
231	IUB0091ZA	LEVER	
231-1	RW146ZA	SPRING	
232	1DR0011ZB	MAIN PULLEY	
233	RDV90ZB	BELT	
234	RDG57692A	REEL TABLE GEAR	
235	RUQ111ZB	SPRING	
236	RW145ZA	SPRING	
237	IUB0090ZA	ROD	
237-1	RUB512ZB	ROD	
238	RDG5773ZB	GEAR	
239	RUQ112ZA	SPRING	
240	RUS609ZC	TAPE PRESSURE SPRING	
241	RUB514ZC	LEVER	
242	RW147ZA	SPRING	

Ref. No.	Part No.	Part Name & Description	Remarks
243	RUB515ZA	LEVER	
244	RUB509ZA	LEVER	
245	RDV108ZA	CAPSTAN BELT	
249	RHG3032ZA	RUBBER CUSHION	
250	RNL180ZB	DAMPER ARM	
251	REX0172	LEAD WIRE(5P)	
261	XTW2+6L	SCREW	
262	XTW2+8L	SCREW	
263	XTN26+7J	SCREW	
264	RHE5203ZA	SCREW	
265	XTW2+8S	SCREW	
266	XYC2+JF16	SCREW	
267	RHD26002	SCREW	
268	RJS10T7ZA	CONNECTOR(10P) J971A	
269	REX0145	LEAD WIRE ASS'Y	

■ MECHANISM PARTS LOCATION •DECK 2



■ CABINET PARTS LOCATION

